



# QUALIFICATIONS PACK - OCCUPATIONAL STANDARDS FOR CONSTRUCTION INDUSTRY

## What are Occupational Standards(OS)?

- OS describe what individuals need to do, know and understand in order to carry out a particular job role or function
- OS are performance standards that individuals must achieve when carrying out functions in the workplace, together with specifications of the underpinning knowledge and understanding

### Contact Us:

CSDCI  
 204, Aashirwad  
 Complex, D-1, Green  
 Park, New Delhi -  
 110016  
 E-mail:  
[standards@csdcindia.org](mailto:standards@csdcindia.org)



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## Introduction

### Qualifications Pack – Construction Painter and Decorator

**SECTOR:** CONSTRUCTION

**SUB-SECTOR:** Real Estate and Infrastructure Construction

**OCCUPATION:** CONSTRUCTION PAINTING

**REFERENCE ID:** CON/Q0503

**ALIGNED TO:** NCO-2015/7132.0100

**Brief Job Description:** This job role is responsible for applying paint on masonry, metallic and wooden surfaces to produce decorative finishes. The individual should have good knowledge of painting techniques and inclination for safe work practices.

**Personal Attributes:** The individual is expected to be physically fit and able to work across various location and height, withstanding extreme condition while working, should be organized, diligent, methodical, and able to implement and maintain safety practices. The person should have independent ability to take quick decisions and have good knowledge of painting techniques and be able to work within a team to handle various painting tools and materials and work responsibly for own work within the defined limit.

<b>Qualifications Pack Code</b>	CON/Q0503		
<b>Job Role</b>	Construction Painter & Decorator		
<b>Credits (NSQF)</b>	TBD	<b>Version number</b>	2.0
<b>Sector</b>	Construction	<b>Drafted on</b>	07/06/2015
<b>Sub-sector</b>	Real Estate and Infrastructure Construction	<b>Last reviewed on</b>	04/03/2020
<b>Occupation</b>	Construction Painting	<b>Next review date</b>	22/08/2024
<b>NSQC Clearance on</b>	22/08/2019		

<b>Job Role</b>	<b>Construction Painter &amp; Decorator</b>
<b>Role Description</b>	The person is responsible for applying paint on masonry, metallic and wooden surfaces to produce decorative finishes.
<b>NSQF level</b>	4
<b>Minimum Educational Qualifications</b>	5 <sup>th</sup> standard
<b>Maximum Educational Qualifications</b>	Not Applicable
<b>Prerequisite License or Training</b>	
<b>Minimum Job Entry Age</b>	18 years
<b>Experience</b>	Non trained worker: 5 years site experience in same occupation Trained worker: 2 years site experience as a certified Assistant Painter
<b>Applicable National Occupational Standards (NOS)</b>	<p><b>Compulsory:</b></p> <ol style="list-style-type: none"> <li><a href="#">CON/N0505: Apply OBD, acrylic and emulsion paints on various finished masonry surfaces</a></li> <li><a href="#">CON/N0506: Apply paint on metallic/ structural steel fabricated assemblies</a></li> <li><a href="#">CON/N0507: Applies paint, varnish &amp; polish on wooden windows, doors, partitions, panels &amp; other wooden surfaces</a></li> <li><a href="#">CON/N0510: Carry out minor repair of various painting faults</a></li> <li><a href="#">CON/N8001: Work effectively in a team to deliver desired results at the workplace</a></li> <li><a href="#">CON/N8002: Plan and organize work to meet expected outcomes</a></li> <li><a href="#">CON/N9001: Work according to personal health, safety and environment protocol at construction site</a></li> </ol>
<b>Performance Criteria</b>	As described in the relevant OS units

**Definitions**

Keywords / Terms	Description
Sector	Sector is conglomeration of different business operations having similar business and interests. It may also be defined as a distinct subset of the economy whose components share similar characteristics and interests.
Sub-Sector	Sub-Sector is derived from a further breakdown based on the characteristics and interests of its components
Occupation	Occupation is a set of job roles, which perform similar/related set of functions in an industry
Job role	Job role defines a unique set of functions that together form a unique employment opportunity in an organization.
Occupational Standards (OS)	OS specify the standards of performance an individual must achieve when carrying out a function in the workplace, together with the knowledge and understanding they need to meet the standard consistently. Occupational Standards are applicable both in the Indian contexts.
Performance Criteria	Performance Criteria are statements that together specify the standard of performance required when carrying out a task.
Qualifications Pack (QP)	Qualifications Pack comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A Qualification Pack is assigned a unique qualification pack code
Qualification Pack Code	Qualification Pack Code is a unique reference code that identifies a qualifications pack.
National Occupational Standards (NOS)	NOS are Occupational Standards which apply uniquely in the Indian context.
Scope	Scope is the set of statements specifying the range of variables that an individual may have to deal with in carrying out the function which have a critical impact on the quality of performance required.
Knowledge and Understanding	Knowledge and Understanding are statements which together specify the technical, generic, professional and organizational specific knowledge that an individual needs in order to perform to the required standard
Organizational Context	Organizational Context includes the way the organization is structured and how it operates, including the extent of operative knowledge managers have of their relevant areas of responsibility.
Technical Knowledge	Technical Knowledge is the specific knowledge needed to accomplish specific designated responsibilities.
Core Skills / Generic Skills	Core Skills or Generic Skills are a group of skills that are key to learning and working in today's world. These skills are typically needed in any work environment. In the context of the OS, these include communication related skills that are applicable to most job roles.

**Acronyms**

Keywords /Terms	Description
CON	Construction
NSQF	National Skill Qualifications Framework
QP	Qualification Pack
OS	Occupational Standards
TBD	To Be Decided

CON/N0505

Apply OBD, acrylic and emulsion paints on various finished masonry surfaces

# National Occupational Standard



## Overview

This NOS covers the skills and knowledge required by a workman to be proficient in applying OBD, acrylic and emulsion paints on various finished masonry surfaces

**CON/N0505      Apply OBD, acrylic and emulsion paints on various finished masonry surfaces**

**National Occupational Standard**

<b>Unit Code</b>	<b>CON/N0505</b>
<b>Unit Title (Task)</b>	<b>Apply OBD, acrylic and emulsion paints on various finished masonry surfaces</b>
<b>Description</b>	This unit describes the skills and knowledge required to apply OBD (oil bound distemper), acrylic and emulsion paints on various finished masonry surfaces
<b>Scope</b>	<p>The scope covers the following:</p> <ul style="list-style-type: none"> <li>Ensure preparation of base surfaces prior to painting and upkeep and maintenance of tools</li> <li>Carry out preparation of paint mix using various constituents as per specification</li> <li>Apply paint to produce a paint film of uniform thickness as per requirements</li> </ul>
<b>Performance Criteria (PC) w.r.t. the Scope</b>	
<b>Element</b>	<b>Performance Criteria</b>
<b>Ensure preparation of base surfaces prior to painting and upkeep and maintenance of tools</b>	<p>To be competent, the user / individual on the job must be able to:</p> <p>PC1. carry out visual and physical inspection of the surface for suitability for painting works</p> <p>PC2. measure the surface to be painted and calculate the appropriate quantity of required materials as per applicability</p> <p>PC3. ensure surface is free from dust, dirt and grease and is prepared appropriately prior to application of paints</p> <p>PC4. apply putty to fill gaps and depressions on the surface to be painted for preparation of a leveled surface if required</p> <p>PC5. ensure that adjacent surfaces are covered with drop cloths/ masking tape/paper and all removable items/fixtures are removed prior to painting</p> <p>PC6. ensure proper cleaning ,maintenance and upkeep of painting tools and equipments before and after use</p>
<b>Carry out preparation of paint mix using various constituents as per specification</b>	<p>PC7. select appropriate painting material and mixing ingredients as per requirement /specified finish</p> <p>PC8. identify base colour of paint as per the requirements/instructions</p> <p>PC9. select appropriate colorants, suitable for colour match, to meet aesthetic requirements</p> <p>PC10. mix specified amount of paint material with additives as per specified ratio</p> <p>PC11. follow standard procedure for effective mixing and dilution of paints</p> <p>PC12. add reducer/thinner/ water to adjust viscosity of paint mix as per requirement</p>
<b>Apply paint to produce a paint film of uniform thickness as per requirements</b>	<p>PC13. apply primer coats of paint to the finished/leveled surfaces as per specifications</p> <p>PC14. apply main coat of paint over primer coat within specified time limits as per specification</p> <p>PC15. apply final coat as per required/specified tint</p>

**CON/N0505      Apply OBD, acrylic and emulsion paints on various finished masonry surfaces**

	<p>PC16. apply tackifier solvent or brush blast to roughen the surface in case recoat time of paint exceeds specified time</p> <p>PC17. clean the surface of each dried coat appropriately before application of the next coat</p>
<b>Knowledge and Understanding (K)</b>	
<p><b>A. Organizational Context</b> (Knowledge of the company / organization and its processes)</p>	<p>The user/individual on the job needs to know and understand:</p> <p>KA1. standard procedure for construction painting works</p> <p>KA2. safety rules and regulation for handling and storing relevant painting tools, equipment and materials</p> <p>KA3. personal protection including the use of relevant safety gears &amp; equipments</p> <p>KA4. service request procedures for tools, materials and equipments</p>
<p><b>B. Technical Knowledge</b></p>	<p>The user/individual on the job needs to know and understand:</p> <p>KB1. basic sketches / schematic working drawing relevant to painting works</p> <p>KB2. basic principles of measurement, geometry and arithmetic calculation</p> <p>KB3. linear conversion of units</p> <p>KB4. units of measurements</p> <p>KB5. how to select &amp; use different painting tools (such as brushes, rollers, painting bucket, stirrers, scrapers, sand papers, putty blades, etc.) and appropriate painting materials and mixing ingredients (such as scrape, primer, base colour, tint base, colorants, varnishes, enamel, etc.)</p> <p>KB6. standard size of all painting tools, materials and components</p> <p>KB7. methods of protecting adjacent surfaces prior to painting</p> <p>KB8. how to mix the correct amount of paint material as per specified ratio</p> <p>KB9. how to adjust viscosity of paint mix as per requirement</p> <p>KB10. different reducers/thinners used for adjusting viscosity</p> <p>KB11. application of primer as per requirement</p> <p>KB12. adhesives used for binding coats of paint such as oil, turpentine, mildew remover, or other preparations, and sand rough spots</p> <p>KB13. various methods for surface preparation, prior to painting works</p> <p>KB14. properties of putty and its use in surface preparation</p>
<b>Skills (S)</b>	
<p><b>A. Core Skills/ Generic Skills</b></p>	<p style="text-align: center;"><b>Writing Skills</b></p>
	<p>The user/ individual on the job needs to know and understand how to:</p> <p>SA1. write in one or more languages, preferably in the local language of the site</p>
	<p style="text-align: center;"><b>Reading Skills</b></p>

**CON/N0505      Apply OBD, acrylic and emulsion paints on various finished masonry surfaces**

	<p>The user/ individual on the job needs to know and understand how to:</p> <p>SA2. read one or more languages, preferably in the local language of the site</p> <p>SA3. read /sketches/routine working drawing or instructions provided for the work</p> <p>SA4. read various sign boards, safety rules and safety tags etc</p> <p>SA5. read instructions related to exit routes during emergency at the workplace</p>
	<p><b>Oral Communication (Listening and Speaking skills)</b></p>
	<p>The user/ individual on the job needs to know and understand how to:</p> <p>SA6. speak in one or more languages, preferably in one of the local language of the site</p> <p>SA7. listen and follow instructions given by the superior</p> <p>SA8. communicate orally and effectively with co-workers</p>
	<p><b>Decision Making</b></p>
<b>B. Professional Skills</b>	<p>The user/individual on the job needs to know and understand how to:</p> <p>SB1. decide whether the workplace is safe for working and also the relevant work is not creating hazardous conditions for others</p> <p>SB2. decide whether surface is suitably prepared for application of paints</p> <p>SB3. decide on suitability of colorants based on colour match</p>
	<p><b>Plan and Organize</b></p>
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SB4. plan work and organize required resource in coordination with team member and superior</p>
	<p><b>Customer centricity</b></p>
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SB5. complete work as per agreed time and quality</p>
	<p><b>Problem solving</b></p>
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SB6. apply tackifier solvent or brush blast to roughen the surface if recoat time of paint is exceeded</p> <p>SB7. rectify the surface defects prior to painting</p> <p>SB8. rectify consistency and colour of painting mix prior to painting</p> <p>SB9. resolve any conflict within the team</p>
	<p><b>Analytical Thinking</b></p>
	<p>The user/ individual on the job needs to know and understand how to:</p> <p>SB10. calculate the appropriate quantity of required materials as per applicability</p>

**CON/N0505      Apply OBD, acrylic and emulsion paints on various finished masonry surfaces**

	SB11. optimize resources
	SB12. minimize wastages
	SB13. revert to superior for selection/sorting of materials
	<b>Critical Thinking</b>
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SB14. evaluate the complexity of the tasks to and seek assistance and support wherever required from the superior</p> <p>SB15. identify and assess how violation of any safety norms may lead to accidents</p>





**CON/N0505**

**Apply OBD, acrylic and emulsion paints on various finished masonry surfaces**

## **NOS Version Control**

<b>NOS Code</b>	<b>CON/N0505</b>		
<b>Credits (NSQF)</b>	<b>TBD</b>	<b>Version number</b>	<b>1.1</b>
<b>Industry</b>	<b>Construction</b>	<b>Drafted on</b>	<b>07/06/2015</b>
<b>Industry Sub-sector</b>	<b>Real Estate and Infrastructure Construction</b>	<b>Last reviewed on</b>	<b>04/03/2020</b>
<b>Occupation</b>	<b>Construction Painting</b>	<b>Next review date</b>	<b>22/08/2024</b>



CON/N0506

Apply paint on metallic / structural steel fabricated assemblies

# National Occupational Standard



## Overview

This NOS covers the skills and knowledge required by a workman to be proficient in applying paint on metallic / structural steel fabricated assemblies

Unit Code

CON/N0506

CON/N0506

## Apply paint on metallic / structural steel fabricated assemblies

Unit Title (Task)	Apply paint on metallic / structural steel fabricated assemblies
<b>Description</b>	This unit describes the skills and knowledge required to apply paint on metallic / structural steel fabricated assemblies
<b>Scope</b>	<p>The scope covers the following:</p> <ul style="list-style-type: none"> <li>Ensure preparation of base surfaces and upkeep and maintenance of relevant tools and accessories</li> <li>Carry out preparation of paint mix using various constituents as per specification</li> <li>Apply coatings of paint to produce a paint film of uniform thickness</li> </ul>
Performance Criteria (PC) w.r.t. the Scope	
Element	Performance Criteria
<b>Ensure preparation of base surfaces and upkeep and maintenance of relevant tools and accessories</b>	<p>To be competent, the user / individual on the job must be able to:</p> <p>PC1. carry out visual and physical inspection of the surface for suitability</p> <p>PC2. ensure the removal of all loose mill scale, loose rust, loose paint and other loose detrimental foreign matter prior to application of paint</p> <p>PC3. ensure fabricated steel /metallic items are cleaned, washed, stripped of previous paints and corrosion and surface is leveled evenly by filling depressions</p> <p>PC4. ensure proper cleaning of all bolts, nuts, welds, and field rivet heads</p> <p>PC5. ensure machines, equipment, and work areas is cleaned appropriately using water, solvents and other cleaning aids</p> <p>PC6. ensure use of appropriate tools such as rotary or impact power tools to remove rust (rust scale) ,weld slag, flux and weld spatter</p> <p>PC7. ensure proper cleaning, maintenance and upkeep of painting tools and equipments before and after use</p>
<b>Carry out preparation of paint mix using various constituents as per specification</b>	<p>PC8. identify base colour as per the requirements/instructions</p> <p>PC9. select appropriate colorants suitable for colour match, to meet aesthetic requirements</p> <p>PC10. mix specified amount of paint material with additives as per specified ratio</p> <p>PC11. follow standard procedure for effective mixing and dilution of paints</p> <p>PC12. add reducer/thinner/ water to adjust viscosity of paint mix as per requirement</p>
<b>Apply coatings of paint to produce a paint film of uniform thickness</b>	<p>PC13. apply primer coat as per instruction/specification</p> <p>PC14. apply an appropriate primer for rusted metal surface as per specification</p> <p>PC15. apply specified number of coats of appropriate primer to prevent any oxidization on metal</p> <p>PC16. ensure that the primer coat is allowed to dry for specified time prior to application of any subsequent coat</p> <p>PC17. apply appropriate coats of paint as per the requirements/specification</p> <p>PC18. ensure appropriate drying time between two subsequent coats</p>

**CON/N0506**

**Apply paint on metallic / structural steel fabricated assemblies**

Knowledge and Understanding (K)	
<p><b>A. Organizational Context</b> (Knowledge of the company / organization and its processes)</p>	<p>The user/individual on the job needs to know and understand:</p> <ul style="list-style-type: none"> <li>KA1. standard procedure for construction painting works</li> <li>KA2. safety rules and regulation for handling and storing relevant painting tools, equipment and materials</li> <li>KA3. personal protection including the use of relevant safety gears &amp; equipments</li> <li>KA4. service request procedures for tools, materials and equipments</li> </ul>
<p><b>B. Technical Knowledge</b></p>	<p>The user/individual on the job needs to know and understand:</p> <ul style="list-style-type: none"> <li>KB1. basic sketches / schematic working drawing relevant to painting works</li> <li>KB2. basic principles of measurement, geometry and arithmetic calculation</li> <li>KB3. linear conversion of units</li> <li>KB4. units of measurements</li> <li>KB5. how to select &amp; use different painting tools (such as brushes, rollers, painting bucket, stirrers, scrapers, sand papers, putty blades, etc.) and appropriate paint materials and mixing ingredients (such as scrape, primer, base colour, tint base, colorants, varnishes, enamel, etc.)</li> <li>KB6. standard size of all painting tools, materials and components</li> <li>KB7. methods of protecting adjacent surfaces prior to painting</li> <li>KB8. how to mix the correct amount of paint material as per specified ratio</li> <li>KB9. how to adjust viscosity of paint mix as per requirement</li> <li>KB10. adhesives used for binding coats of paint such as oil, turpentine, mildew remover</li> <li>KB11. how to set up and operate rotary or impact power tools for painting on metallic surface</li> <li>KB12. importance of preventing the formation of burrs, sharp ridges and sharp cuts</li> <li>KB13. how to identify welding defects such as flux, weld spatter and surface defects and hide the defects while painting</li> <li>KB14. how to carry out proper cleaning of all bolts, nuts, welds, and field rivet heads</li> <li>KB15. how to apply different type of primers such as zinc – chromate primer, farrow and ball metal primer</li> <li>KB16. time gap between application of two coats of primer/paints</li> </ul>
Skills (S)	
<p><b>A. Core Skills/ Generic Skills</b></p>	<p><b>Writing Skills</b></p>
	<p>The user/ individual on the job needs to know and understand how to:</p> <ul style="list-style-type: none"> <li>SA1. write in one or more languages, preferably in the local language of the site</li> </ul>
	<p><b>Reading Skills</b></p>

**CON/N0506**

**Apply paint on metallic / structural steel fabricated assemblies**

	<p>The user/ individual on the job needs to know and understand how to:</p> <p>SA2. read one or more languages, preferably in the local language of the site</p> <p>SA3. read /sketches/routine working drawing or instructions provided for the work</p> <p>SA4. read various, sign boards, safety rules and safety tags, instructions related to exit routes during emergency at the workplace</p> <p>SA5. instructions related to exit routes during emergency at the workplace</p>
	<p><b>Oral Communication (Listening and Speaking skills)</b></p>
	<p>The user/ individual on the job needs to know and understand how to:</p> <p>SA6. speak in one or more languages, preferably in one of the local language of the site</p> <p>SA7. listen and follow instructions given by the superior</p> <p>SA8. communicate orally and effectively with co-workers</p>
	<p><b>Decision Making</b></p>
<b>B. Professional Skills</b>	<p>The user/individual on the job needs to know and understand how to:</p> <p>SB1. decide whether the workplace is safe for working and also the relevant work is not creating hazardous conditions for other</p> <p>SB2. decide whether surface is suitably prepared for application of paints</p> <p>SB3. decide on suitability of colorants based on colour match</p> <p>SB4. decide on tools used for surface preparation</p>
	<p><b>Plan and Organize</b></p>
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SB5. plan work and organize required resource in coordination with team member and superior</p>
	<p><b>Customer centricity</b></p>
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SB6. complete work as per agreed time and quality</p>
	<p><b>Problem solving</b></p>
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SB7. prevent any oxidization on metal by applying specified number of coats of appropriate primer</p> <p>SB8. resolve any conflict within the team</p>
	<p><b>Analytical Thinking</b></p>
	<p>The user/ individual on the job needs to know and understand how to:</p> <p>SB9. calculate the appropriate quantity of required materials as per applicability</p>



**CON/N0506**

**Apply paint on metallic / structural steel fabricated assemblies**

**NOS Version Control**

<b>NOS Code</b>	<b>CON/N0506</b>		
<b>Credits (NSQF)</b>	<b>TBD</b>	<b>Version number</b>	<b>1.1</b>
<b>Industry</b>	<b>Construction</b>	<b>Drafted on</b>	<b>07/06/2015</b>
<b>Industry Sub-sector</b>	<b>Real Estate and Infrastructure Construction</b>	<b>Last reviewed on</b>	<b>04/03/2020</b>
<b>Occupation</b>	<b>Construction Painting</b>	<b>Next review date</b>	<b>22/08/2024</b>



CON/N0507

Apply paint, varnish & polish on wooden windows, doors, partitions, panels & other wooden surfaces

# National Occupational Standard



## Overview

This NOS covers the skills and knowledge required by a workman to be proficient in applying, painting, varnishing & polishing on wooden windows, doors, partitions, panels & other wooden surfaces



**CON/N0507**

## Apply paint, varnish & polish on wooden windows, doors, partitions, panels & other wooden surfaces

**National Occupational Standard**

<b>Unit Code</b>	<b>CON/N0507</b>
<b>Unit Title (Task)</b>	<b>Apply paint ,varnish &amp; polish on wooden windows, doors, partitions, panels &amp; other wooden surfaces</b>
<b>Description</b>	This unit describes the skills and knowledge required to apply, paint ,varnish & polish on wooden windows, doors, partitions, panels & other wooden surfaces
<b>Scope</b>	<p>The scope covers the following:</p> <ul style="list-style-type: none"> <li>• Ensure preparation of base surfaces and upkeep and maintenance of relevant tools and accessories</li> <li>• Carry out preparation of paint and varnish using various constituents as per specification</li> <li>• Apply coatings of paint, varnish and polish to produce a desired finish</li> </ul>
<b>Performance Criteria (PC) w.r.t. the Scope</b>	
<b>Element</b>	<b>Performance Criteria</b>
<b>Ensure preparation of base surfaces and upkeep and maintenance of relevant tools and accessories</b>	<p>To be competent, the user / individual on the job must be able to:</p> <p>PC1. carry out visual and physical inspection of the surface for suitability</p> <p>PC2. ensure that all loose &amp; detrimental foreign matter is removed by using appropriate tools</p> <p>PC3. brush bleaching agents on wood surface to restore natural color of wood</p> <p>PC4. treat warped or stained surfaces as per specification to restore original contours and colors</p> <p>PC5. fill gaps/depressions with appropriate wood filler, if required</p> <p>PC6. smooth, shape, and touch-up surface using sandpaper, pumice stones, steel wool, chisels, sanders, or grinders</p> <p>PC7. ensure that adjacent surfaces are covered with drop cloths/ masking tape/paper and all removable items/accessories /fixtures are removed prior to painting</p>
<b>Carry out preparation of paint and varnish using various constituents as per specification</b>	<p>PC8. select appropriate finishing ingredients such as paint, stain, lacquer, shellac, or varnish as per specification/instructions</p> <p>PC9. select appropriate colorants suitable for color match, to meet aesthetic requirements</p> <p>PC10. mix specified amount of paint material with additives as per specified ratio</p> <p>PC11. follow standard procedure for effective mixing and dilution of paint and varnish</p> <p>PC12. add reducer/thinner/ water to adjust viscosity of paint mix as per requirement</p>
<b>Apply coatings of paint, varnish and</b>	<p>PC13. apply a primer coat of paint/varnish to the wood surface as per specification</p> <p>PC14. apply paint/varnish coat of specified thickness after the primer has dried for specified time</p>

**CON/N0507      Apply paint, varnish & polish on wooden windows, doors, partitions, panels & other wooden surfaces**

<b>polish to produce a desired finish</b>	<p>PC15. carry out sanding of the surface using appropriate tools</p> <p>PC16. apply coat of putty/wood filler on the surface of wood and sand the applied coat</p> <p>PC17. apply finished coats of paint/varnish to produce smooth surfaces of uniform thickness</p> <p>PC18. apply toners, highlights, glazes or shades to obtain desired finish as per specifications</p> <p>PC19. apply lacquer or other sealers as per specification</p> <p>PC20. carry out polishing of the varnished surface using steel wool, pumice, rotten stone or other materials, depending on the shine desired/specified</p>
<b>Knowledge and Understanding (K)</b>	
<b>A. Organizational Context</b> (Knowledge of the company / organization and its processes)	<p>The user/individual on the job needs to know and understand:</p> <p>KA1. standard procedure for painting works</p> <p>KA2. safety rules and regulations to handle required painting tools, tackles and equipment required to perform the painting work</p> <p>KA3. personal protection including the use of the related safety gears, safety equipment &amp; safety drills that may be required</p> <p>KA4. service request procedures for tools, materials and equipments,</p>
<b>B. Technical Knowledge</b>	<p>The user/individual on the job needs to know and understand:</p> <p>KB1. basic sketches / schematic working drawing relevant to painting work</p> <p>KB2. basic principles of measurement, geometry and arithmetic calculations</p> <p>KB3. units of measurements and conversion of units</p> <p>KB4. how to select &amp; use different painting tools (such as brushes, rollers, painting bucket, stirrers, scrapers, sand papers, putty blades, etc.) and appropriate paint materials and mixing ingredients (such as scrape, primer, base colour, tint base, colorants, varnishes, enamel, etc.)</p> <p>KB5. standard size of all painting tools, materials and components</p> <p>KB6. methods of protecting adjacent surfaces prior to painting</p> <p>KB7. how to mix the correct amount of paint material as per specified ratio</p> <p>KB8. adhesives used for binding coats of paint such as oil, turpentine, mildew remover</p> <p>KB9. types of painting related ingredients such as paint, stain, lacquer, shellac, or varnish, etc.</p> <p>KB10. remove accessories prior to finishing, and mask areas that should not be exposed to finishing processes or substances</p> <p>KB11. importance of applying bleaching agents on wood surface</p> <p>KB12. how to apply finishes, varnishes, putty, primer, sealants, toners, etc.</p> <p>KB13. correct method for polishing of wood</p>
<b>Skills (S)</b>	

**CON/N0507      Apply paint, varnish & polish on wooden windows, doors, partitions, panels & other wooden surfaces**

<b>A. Core Skills/ Generic Skills</b>	<b>Writing Skills</b>
	The user/ individual on the job needs to know and understand how to: SA1. write in one or more languages, preferably in the local language of the site
	<b>Reading Skills</b>
	The user/ individual on the job needs to know and understand how to: SA2. read in one or more languages, preferably in the local language of the site SA3. read sketches or instructions provided for the work SA4. read instructions, guidelines, sign boards, safety rules and safety tags at the construction site SA5. read instructions related to exit routes during emergencies at the work place
	<b>Oral Communication (Listening and Speaking skills)</b>
<b>B. Professional Skills</b>	The user/ individual on the job needs to know and understand how to: SA6. speak in one or more languages, preferably in one of the local language of the site SA7. listen and follow instructions given by the superior SA8. communicate orally and effectively with co-workers
	<b>Decision Making</b>
	The user/individual on the job needs to know and understand how to: SB1. decide whether the workplace is safe for working and also the relevant work is not creating hazardous conditions for other SB2. decide on suitability of surface for application of paint SB3. decide on suitability of colorants for aesthetic requirements SB4. decide on tools required for varnishing and polishing
	<b>Plan and Organize</b>
	The user/individual on the job needs to know and understand how to: SB5. plan work and organize required resource in coordination with team members and superiors
	<b>Customer centricity</b>
	The user/individual on the job needs to know and understand how to: SB6. complete work as per agreed time and quality
	<b>Problem solving</b>
	The user/individual on the job needs to know and understand how to: SB7. resolve any conflict within the team SB8. bleach wood to obtain required stain of wood
<b>Analytical Thinking</b>	

**CON/N0507**

**Apply paint, varnish & polish on wooden windows, doors, partitions, panels & other wooden surfaces**

	<p>The user/ individual on the job needs to know and understand how to:</p> <ul style="list-style-type: none"> <li>SB9. determine quantity of material required for painting works</li> <li>SB10. optimize resources</li> <li>SB11. minimize wastages</li> <li>SB12. revert to superior for selection/sorting of materials</li> </ul>
	<p><b>Critical Thinking</b></p>
	<p>The user/individual on the job needs to know and understand how to:</p> <ul style="list-style-type: none"> <li>SB13. evaluate the complexity of the tasks to determine if any guidance is required from the superior</li> <li>SB14. identify and assess how violation of safety norms may lead to accidents</li> </ul>



**CON/N0507      Apply paint, varnish & polish on wooden windows, doors, partitions, panels & other wooden surfaces**

**NOS Version Control**

<b>NOS Code</b>	<b>CON/N0507</b>		
<b>Credits (NSQF)</b>	TBD	<b>Version number</b>	<b>1.1</b>
<b>Industry</b>	Construction	<b>Drafted on</b>	<b>07/06/2015</b>
<b>Industry Sub-sector</b>	Real Estate and Infrastructure Construction	<b>Last reviewed on</b>	<b>04/03/2020</b>
<b>Occupation</b>	Construction Painting	<b>Next review date</b>	<b>22/08/2024</b>



# National Occupational Standard



## Overview

This NOS covers the skills and knowledge required by a workman to be proficient in carrying out minor repair of various painting faults

**CON/N0510**

**Carry out minor repair of various painting faults**

**National Occupational Standard**

<b>Unit Code</b>	<b>CON/N0510</b>
<b>Unit Title (Task)</b>	<b>Carry out minor repair of various painting faults</b>
<b>Description</b>	This unit describes the skills and knowledge required to create ornamental designs on finished masonry, surfaces using texture paints and stencil painting technique
<b>Scope</b>	<p>The scope covers the following:</p> <ul style="list-style-type: none"> <li>Identify common defects in painted surface</li> <li>Carry out correction/remedial action of common painting defects</li> </ul>
<b>Performance Criteria (PC) w.r.t. the Scope</b>	
<b>Element</b>	<b>Performance Criteria</b>
<b>Identify common defects in painted surface</b>	<p>To be competent, the user / individual on the job must be able to:</p> <p>PC1. check the painted surface thoroughly for defects</p> <p>PC2. diagnose the painting problem and point out defects such as Orange peel, blushing, fade, spotting and water marks, discoloration, chalking, cracks, seeds ,runs, Fish eyes (beads), blemished metallic finish, pin holes, abrasive marks, peeling, putty marks, blisters &amp; shrinkage</p> <p>PC3. understand the nature of defect and carry out remedial action as per applicability</p>
<b>Carry out correction/remedial action of common painting defects</b>	<p>PC4. polish the defects with appropriate compound for common defects like orange peel, blushing, fade, spotting and water marks, discoloration, chalking, cracks, seeds, runs.</p> <p>PC5. carry out flattening of the defect using whetstone followed by application of top coat of paint, for defects like Fish eyes (beads), blemished metallic finish, pin holes, abrasive marks, peeling</p> <p>PC6. carry out flattening of the defect using whetstone followed by application of appropriate primer and a top coat of paint, for defects like Putty marks &amp; shrinkage</p> <p>PC7. carry out stripping of paint followed by application of putty and paint subsequently, for defects like shrinkage, blisters and cracks</p>
<b>Knowledge and Understanding (K)</b>	
<b>A. Organizational Context</b> (Knowledge of the company / organization and its processes)	<p>The user/individual on the job needs to know and understand:</p> <p>KA1. standard procedure for painting works</p> <p>KA2. safety rules and regulations to handle required painting tools, tackles and equipment required to perform the painting work</p> <p>KA3. personal protection including the use of the related safety gears, safety equipment &amp; safety drills that may be required</p> <p>KA4. service request procedures for tools, materials and equipments,</p>

CON/N0510

## Carry out minor repair of various painting faults

<b>B. Technical Knowledge</b>	<p>The user/individual on the job needs to know and understand:</p> <p>KB1. basic sketches / schematic working drawing relevant to painting work</p> <p>KB2. basic principles of measurement, geometry and arithmetic calculations</p> <p>KB3. units of measurements and conversion of units</p> <p>KB4. how to select &amp; use different painting tools (such as brushes, rollers, painting bucket, stirrers, scrapers, sand papers, putty blades, etc.) and appropriate materials and mixing ingredients (such as scrape, primer, base colour, tint base, colorants, varnishes, enamel, etc.)</p> <p>KB5. standard size of all painting tools, materials and components</p> <p>KB6. methods of protecting adjacent surfaces prior to painting</p> <p>KB7. how to mix the correct amount of paint material as per specified ratio</p> <p>KB8. how to adjust viscosity of paint mix as per requirement</p> <p>KB9. different reducers/thinners used for adjusting viscosity</p> <p>KB10. application of primer as per requirement</p> <p>KB11. properties and use of adhesives used for binding coats of paint such as oil, turpentine, mildew remover, or other preparations, and sand rough spots</p> <p>KB12. common painting defects detected</p> <p>KB13. different remedial action to be taken for resolution of different defects</p>
<b>Skills (S)</b>	
<b>A. Core Skills/ Generic Skills</b>	<b>Writing Skills</b>
	The user/ individual on the job needs to know and understand how to:
	SA1. write in one or more languages, preferably in the local language of the site
	<b>Reading Skills</b>
	The user/ individual on the job needs to know and understand how to:
SA2. read in one or more languages, preferably in the local language of the site	
SA3. read sketches or instructions provided for the work	
SA4. read instructions, guidelines, sign boards, safety rules and safety tags at the construction site	
SA5. read instructions related to exit routes during emergencies at the work place	
<b>B. Professional Skills</b>	<b>Oral Communication (Listening and Speaking skills)</b>
	The user/ individual on the job needs to know and understand how to:
	SA6. speak in one or more languages, preferably in one of the local language of the site
SA7. listen and follow instructions given by the superior	
SA8. communicate orally and effectively with co-workers	
<b>B. Professional Skills</b>	<b>Decision Making</b>
	The user/individual on the job needs to know and understand how to:



**CON/N0510**

**Carry out minor repair of various painting faults**

	<p>SB1. decide whether the workplace is safe for working and also relevant work is not creating hazardous conditions for others</p> <p>SB2. decide on appropriate course of remedial action for resolution of painting defects</p>
	<b>Plan and Organize</b>
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SB3. plan work and organize required resource in coordination with team members and superiors</p>
	<b>Customer centricity</b>
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SB4. complete work as per agreed time and quality</p>
	<b>Problem solving</b>
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SB5. diagnose the defect / issue faced in the painting problem</p> <p>SB6. carry out remedial action for resolution of painting defect</p> <p>SB7. resolve any conflict within the team</p>
	<b>Analytical Thinking</b>
	<p>The user/ individual on the job needs to know and understand how to:</p> <p>SB8. optimize resources</p> <p>SB9. minimize wastages</p> <p>SB10. revert to superior for selection/sorting of materials</p>
	<b>Critical Thinking</b>
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SB11. evaluate the complexity of the tasks to determine if any guidance is required from the superior</p> <p>SB12. identify and assess how violation of safety norms may lead to accidents</p>

CON/N0510

Carry out minor repair of various painting faults

## NOS Version Control

<b>NOS Code</b>	<b>CON/N0510</b>		
<b>Credits (NSQF)</b>	TBD	<b>Version number</b>	<b>1.1</b>
<b>Industry</b>	Construction	<b>Drafted on</b>	<b>07/06/2015</b>
<b>Industry Sub-sector</b>	Real Estate and Infrastructure Construction	<b>Last reviewed on</b>	<b>04/03/2020</b>
<b>Occupation</b>	Construction Painting	<b>Next review date</b>	<b>22/08/2024</b>



CON/N8001

Work effectively in a team to deliver desired results at the workplace

# National Occupational Standard



## Overview

This NOS covers the skill and knowledge required to work effectively within a team to achieve the desired results.

CON/N8001

Work effectively in a team to deliver desired results at the workplace

National Occupational Standard

<b>Unit Code</b>	CON/N8001
<b>Unit Title (Task)</b>	Work effectively in a team to deliver desired results at the workplace
<b>Description</b>	This unit describes the skills and knowledge required to work effectively within a team to achieve the desired results.
<b>Scope</b>	<p>The scope covers the following:</p> <ul style="list-style-type: none"> <li>Interact and communicate effectively with co-workers, superiors and sub-ordinates across different teams</li> <li>Support co-workers, superiors and sub-ordinates within the team and across interfacing teams to ensure effective execution of assigned task</li> </ul>
<b>Performance Criteria (PC) w.r.t. the Scope</b>	
<b>Element</b>	<b>Performance Criteria</b>
<b>Interact and communicate effectively with co-workers, superiors and sub-ordinates across different teams</b>	<p>To be competent, the user / individual on the job must be able to:</p> <p>PC1. pass on work related information/ requirement clearly to the team members</p> <p>PC2. inform co-workers and superiors about any kind of deviations from work</p> <p>PC3. address the problems effectively and report if required to immediate supervisor appropriately</p> <p>PC4. receive instructions clearly from superiors and respond effectively on the same</p> <p>PC5. communicate to team members/subordinates for appropriate work technique and method</p> <p>PC6. seek clarification and advice as per the requirement and applicability</p>
<b>Support co-workers, superiors and sub-ordinates within the team and across interfacing teams to ensure effective execution of assigned task</b>	<p>PC7. hand over the required material, tools tackles, equipment and work fronts timely to interfacing teams</p> <p>PC8. work together with co-workers in a synchronized manner</p>
<b>Knowledge and Understanding (K)</b>	

**CON/N8001**

**Work effectively in a team to deliver desired results at the workplace**

<p><b>A. Organizational Context</b> (Knowledge of the company / organization and its processes)</p>	<p>The user/individual on the job needs to know and understand:</p> <ul style="list-style-type: none"> <li>KA1. own roles and responsibilities</li> <li>KA2. importance of effective communication and establishing strong working relationships with co-workers</li> <li>KA3. risks of a failure in teamwork in terms of effects on project outcomes, timelines, safety at the construction site, etc.</li> <li>KA4. different modes of communication, and its appropriate usage</li> <li>KA5. importance of creating healthy and cooperative work environment among the gangs of workers</li> </ul>
<p><b>B. Technical Knowledge</b></p>	<p>The user/individual on the job needs to know and understand:</p> <ul style="list-style-type: none"> <li>KB1. different activities within the work area where an interaction with other workers are required</li> <li>KB2. applicable techniques of work, properties of materials used, tools and tackles used, safety standards that co-workers might need as per the requirement</li> <li>KB3. importance of proper and effective communication and the expected adverse effects in case of failure relating to quality, timelines, safety, risks at the construction project site</li> <li>KB4. importance and need of supporting co-workers facing problems for smooth functioning of work</li> </ul>
<b>Skills (S)</b>	
<p><b>A. Core Skills/ Generic Skills</b></p>	<p><b>Writing Skills</b></p>
	<p>The user/ individual on the job needs to know and understand how to:</p> <ul style="list-style-type: none"> <li>SA1. write in one or more languages, preferably in the local language of the site</li> </ul>
	<p><b>Reading Skills</b></p>
	<p>The user/ individual on the job needs to know and understand how to:</p> <ul style="list-style-type: none"> <li>SA2. read in one or more languages, preferably in the local language of the site</li> <li>SA3. read communication from team members regarding work completed, materials used, tools and tackles used, support required</li> </ul>
	<p><b>Oral Communication (Listening and Speaking skills)</b></p>
	<p>The user/ individual on the job needs to know and understand how to:</p> <ul style="list-style-type: none"> <li>SA4. speak in one or more languages, preferably in one of the local languages of the site</li> <li>SA5. listen and follow instructions / communication shared by superiors/ co-workers regarding team requirements or interfaces during work processes</li> <li>SA6. orally communicate with co-workers regarding support required to complete the respective work</li> </ul>

**CON/N8001**

**Work effectively in a team to deliver desired results at the workplace**

<b>B. Professional Skills</b>	<b>Decision Making</b>
	The user/individual on the job needs to know and understand how to: SB1. decide on what information is to be shared with co-workers within the team or from interfacing gang of workers
	<b>Plan and Organise</b>
	The user/individual on the job needs to know and understand how to: SB2. plan work and organize required resources in coordination with team members
	<b>Customer centricity</b>
	The user/individual on the job needs to know and understand how to: SB3. complete all assigned task in coordination with team members
	<b>Problem solving</b>
	The user/individual on the job needs to know and understand how to: SB4. take initiative in resolving issues among co-workers or report the same to superiors
	<b>Analytical Thinking</b>
	The user/individual on the job needs to know and understand how to: SB5. ensure best ways of coordination among team members SB6. communicate with co-workers considering their educational / social background
<b>Critical Thinking</b>	
The user/individual on the job needs to know and understand how to: SB7. evaluate the complexity of task and determine if any guidance is required from superiors	

CON/N8001

Work effectively in a team to deliver desired results at the workplace

## NOS Version Control

<b>NOS Code</b>	<b>CON/N8001</b>		
<b>Credits (NSQF)</b>	TBD	<b>Version number</b>	<b>1.1</b>
<b>Industry</b>	Construction	<b>Drafted on</b>	<b>07/06/2015</b>
<b>Industry Sub-sector</b>	Real Estate and Infrastructure Construction	<b>Last reviewed on</b>	<b>04/03/2020</b>
<b>Occupation</b>	Construction Painting	<b>Next review date</b>	<b>22/08/2024</b>



# National Occupational Standard



## Overview

This NOS covers the skills and knowledge required to plan and organize work in order to meet expected quality in established time frame.



**CON/N8002**

**Plan and organize work to meet expected outcomes**

<b>National Occupational Standard</b>	<b>Unit Code</b>	<b>CON/N8002</b>
	<b>Unit Title (Task)</b>	<b>Plan and organize work to meet expected outcomes</b>
	<b>Description</b>	This unit describes the knowledge and the skills required for an individual to plan and organize own work in order to meet expected outcome.
	<b>Scope</b>	This scope covers the following: <ul style="list-style-type: none"> <li>• Prioritize work activities to achieve desired results</li> <li>• Organize desired resources prior to commencement of work</li> </ul>
	<b>Performance Criteria (PC) w.r.t. the Scope</b>	
	<b>Element</b>	<b>Performance Criteria</b>
	<b>Prioritize work activities to achieve desired results</b>	To be competent, the user / individual on the job must be able to: PC1. understand clearly the targets and timelines set by superiors PC2. plan activities as per schedule and sequence PC3. provide guidance to the subordinates to obtain desired outcome PC4. plan housekeeping activities prior to and post completion of work
	<b>Organize desired resources prior to commencement of work</b>	PC5. list and arrange required resources prior to commencement of work PC6. select and employ correct tools, tackles and equipment for completion of desired work PC7. complete the work with allocated resources PC8. engage allocated manpower in an appropriate manner PC9. use resources in an optimum manner to avoid any unnecessary wastage PC10. employ tools, tackles and equipment with care to avoid damage to the same PC11. organize work output, materials used, tools and tackles deployed, PC12. processes adopted to be in line with the specified standards and instructions
	<b>Knowledge and Understanding (K)</b>	
	<b>A. Organizational Context</b> (Knowledge of the company / organization and its processes)	The user/individual on the job needs to know and understand: KA1. importance of proper housekeeping KA2. policies, procedures and work targets set by superiors KA3. roles and responsibilities in executing the work for subordinates and self
<b>B. Technical Knowledge</b>	The user/individual on the job needs to know and understand: KB1. standard practices of work to be adopted for assigned task KB2. how to use available resources in a judicious and appropriate manner to minimize wastages or damage	
<b>Skills (S)</b>		

CON/N8002

## Plan and organize work to meet expected outcomes

<b>A. Core Skills/ Generic Skills</b>	<b>Writing Skills</b>
	The user/ individual on the job needs to know and understand how to: SA1. write in one or more languages, preferably in the local language of the site SA2. list out the assigned works and targets
	<b>Reading Skills</b>
	The user/ individual on the job needs to know and understand how to: SA3. read in one or more languages, preferably in the local language of the site SA4. read communication from co-workers, superiors and notices from other departments as per requirement of the level
	<b>Oral Communication (Listening and Speaking skills)</b>
	The user/ individual on the job needs to know and understand how to: SA5. speak in one or more languages, preferably in one of the local language of the site SA6. listen and follow communication shared by co-workers regarding standard work processes, resources available, timelines, etc. SA7. communicate effectively with co-workers and subordinates
	<b>B. Professional Skills</b>
The user/individual on the job needs to know and understand how to: SB1. decide on what sequence is to be adopted for execution of work	
<b>Plan and Organise</b>	
The user/individual on the job needs to know and understand how to: SB2. plan and organize the materials, tools, tackles and equipment required to execute the work	
<b>Customer centricity</b>	
The user/individual on the job needs to know and understand how to: SB3. complete all assigned task with proper planning and organizing	
<b>Problem solving</b>	
The user/individual on the job needs to know and understand how to: SB4. arrange or seek help to arrange for material, tools and tackles in case of shortfall	
<b>Analytical Thinking</b>	
The user/individual on the job needs to know and understand how to: SB5. analyze areas of work which could result in a delay of work, wastage of material or damage to tools and tackles	
<b>Critical Thinking</b>	

CON/N8002

## Plan and organize work to meet expected outcomes

	<p>The user/individual on the job needs to know and understand how to:</p> <p>SB6. evaluate potential solutions to minimize avoidable delays and wastages at the construction site</p>
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**CON/N8002**

**Plan and organize work to meet expected outcomes**

### **NOS Version Control**

<b>NOS Code</b>	<b>CON/N8002</b>		
<b>Credits (NSQF)</b>	<b>TBD</b>	<b>Version number</b>	<b>1.0</b>
<b>Industry</b>	<b>Construction</b>	<b>Drafted on</b>	<b>07/06/2015</b>
<b>Industry Sub-sector</b>	<b>Real Estate and Infrastructure Construction</b>	<b>Last reviewed on</b>	<b>04/03/2020</b>
<b>Occupation</b>	<b>Construction Painting</b>	<b>Next review date</b>	<b>22/08/2024</b>



CON/N9001 Work according to personal health, safety and environment protocol at construction site

# National Occupational Standard



## Overview

This NOS covers the skill and knowledge required for an individual to work according to personal health, safety and environmental protocol at construction site.

**CON/N9001 Work according to personal health, safety and environment protocol at construction site**

<b>National Occupational Standard</b>	<b>Unit Code</b>	<b>CON/N9001</b>
	<b>Unit Title (Task)</b>	<b>Work according to personal health, safety and environment protocol at construction site</b>
	<b>Description</b>	This NOS covers the skill and knowledge required for an individual to work according to personal health, safety and environmental protocol at construction site
	<b>Scope</b>	<p>The scope covers the following:</p> <ul style="list-style-type: none"> <li>• Follow safety norms as defined by organization</li> <li>• Adopt healthy &amp; safe work practices</li> <li>• Implement good housekeeping and environment protection process and activities</li> </ul>
	<b>Performance Criteria (PC) w.r.t. the Scope</b>	
	<b>Element</b>	<b>Performance Criteria</b>
	<b>Follow safety norms as defined by organization</b>	<p>To be competent, the user / individual on the job must be able to:</p> <p>PC1. identify and report any hazards, risks or breaches in site safety to the appropriate authority</p> <p>PC2. follow emergency and evacuation procedures in case of accidents, fires, natural calamities</p> <p>PC3. follow recommended safe practices in handling construction materials, including chemical and hazardous material whenever applicable</p> <p>PC4. participate in safety awareness programs like Tool Box Talks, safety demonstrations, mock drills, conducted at site</p> <p>PC5. select and operate different types of fire extinguishers corresponding to types of fires as per EHS guideline</p> <p>PC6. identify near miss , unsafe condition and unsafe act</p>
	<b>Adopt healthy &amp; safe work practices</b>	<p>PC7. use appropriate Personal Protective Equipment (PPE) as per work requirements including:</p> <ul style="list-style-type: none"> <li>• Head Protection (Helmets)</li> <li>• Ear protection</li> <li>• Fall Protection</li> <li>• Foot Protection</li> <li>• Face and Eye Protection,</li> <li>• Hand and Body Protection</li> <li>• Respiratory Protection (if required)</li> </ul> <p>PC8. handle all required tools, tackles, materials &amp; equipment safely</p> <p>PC9. follow safe disposal of waste, harmful and hazardous materials as per EHS guidelines</p> <p>PC10. install and apply properly all safety equipment as instructed</p> <p>PC11. follow safety protocol and practices as laid down by site EHS department</p>

## CON/N9001 Work according to personal health, safety and environment protocol at construction site

	PC12. undertake and pass height pass test as per EHS guideline
<b>Implement good housekeeping and environment protection process and activities</b>	PC13. collect and deposit construction waste into identified containers before disposal, separate containers that may be needed for disposal of toxic or hazardous wastes PC14. apply ergonomic principles wherever required
<b>Knowledge and Understanding (K)</b>	
<b>A. Organizational Context</b> (Knowledge of the company / organization and its processes)	The user/individual on the job needs to know and understand: KA1. reporting procedures in cases of breaches or hazards for site safety, accidents, and emergency situations as per guidelines KA2. types of safety hazards at construction sites KA3. basic ergonomic principles as per applicability
<b>B. Technical Knowledge</b>	The user/individual on the job needs to know and understand: KB1. the procedure for responding to accidents and other emergencies at site KB2. use of appropriate personal protective equipment to be used based on various working conditions KB3. importance of handling tools, equipment and materials as applicable KB4. health and environmental effect of construction materials as per applicability KB5. various environmental protection methods as per applicability KB6. storage of waste including the following at appropriate location: <ul style="list-style-type: none"> <li>• non-combustible scrap material and debris</li> <li>• combustible scrap material and debris</li> <li>• general construction waste and trash (non-toxic, non-hazardous)</li> <li>• any other hazardous wastes</li> <li>• any other flammable wastes</li> </ul> KB7. how to use hazardous material, in a safe and appropriate manner as per applicability KB8. types of fire KB9. Procedure of operating different types of fire extinguishers KB10. safety relevant to tools, tackles, & requirement as per applicability KB11. housekeeping activities relevant to task
<b>Skills (S)</b>	
<b>A. Core Skills/ Generic Skills</b>	<b>Writing Skills</b>
	The user/ individual on the job needs to know and understand how to: SA1. write in one or more languages, preferably in the local language of the site SA8. fill safety formats for near miss, unsafe conditions and safety suggestions
	<b>Reading Skills</b>

**CON/N9001 Work according to personal health, safety and environment protocol at construction site**

	<p>The user/ individual on the job needs to know and understand how to:</p> <p>SA9. read in one or more languages, preferably in the local language of the site</p> <p>SA10. read sign boards, notice boards relevant to safety</p>
	<p><b>Oral Communication (Listening and Speaking skills)</b></p>
	<p>The user/ individual on the job needs to know and understand how to:</p> <p>SA11. speak in one or more languages, preferably in one of the local language of the site</p> <p>SA12. listen instructions / communication shared by site EHS and superiors regarding site safety, and conducting tool box talk</p> <p>SA13. communicate reporting of site conditions, hazards, accidents, etc.</p>
<b>B. Professional Skills</b>	<p><b>Decision Making</b></p>
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SB1. maintain safe conditions for others</p> <p>SB2. keep the workplace clean and tidy</p>
	<p><b>Plan and Organise</b></p>
	<p>N.A</p>
	<p><b>Customer centricity</b></p>
	<p>N.A</p>
	<p><b>Problem solving</b></p>
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SB3. identify safety risks that affect the health, safety and environment for self and others working in the vicinity, tackle it if within limit or report to appropriate authority</p>
	<p><b>Analytical Thinking</b></p>
	<p>The user/individual on the job needs to know and understand how to:</p> <p>SB4. assess and analyze areas which may affect health, safety and environment protocol on the site</p>
<p><b>Critical Thinking</b></p>	
<p>The user/individual on the job needs to know and understand how to:</p> <p>SB5. ensure personal safety behavior</p> <p>SB6. respond to emergency</p>	



CON/N9001 Work according to personal health, safety and environment protocol at construction site

## NOS Version Control

<b>NOS Code</b>	<b>CON/N9001</b>		
<b>Credits (NSQF)</b>	TBD	<b>Version number</b>	<b>1.4</b>
<b>Industry</b>	Construction	<b>Drafted on</b>	<b>07/06/2015</b>
<b>Industry Sub-sector</b>	Real Estate and Infrastructure Construction	<b>Last reviewed on</b>	<b>04/03/2020</b>
<b>Occupation</b>	Construction Painting	<b>Next review date</b>	<b>22/08/2024</b>

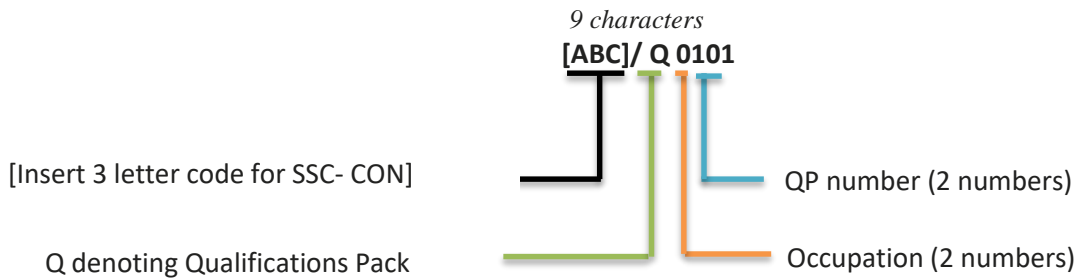


Assessment Criteria for Construction Painter and Decorator

## Annexure

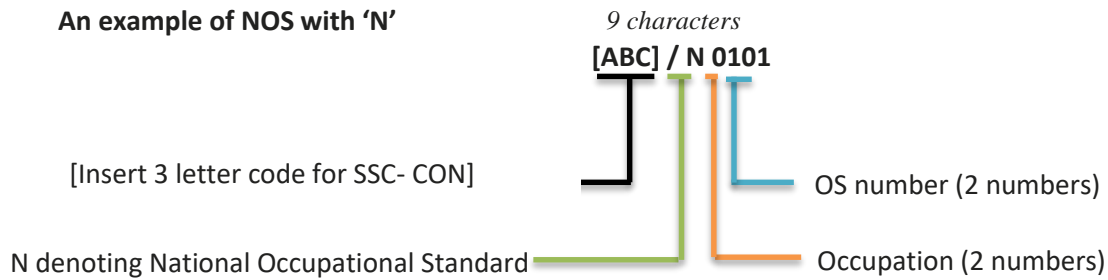
### Nomenclature for QP and NOS

#### Qualifications Pack



#### Occupational Standard

##### An example of NOS with 'N'



*Assessment Criteria for Construction Painter and Decorator*

The following acronyms/codes have been used in the nomenclature above:

Sub-sector	Range of Occupation numbers
Real Estate and Infrastructure	1-35
Rural Infrastructure Construction	36-50
Scope for new Sub-Sectors	51-99

Sequence	Description	Example
Three letters	Construction Skill Development Council of India	CON
Slash	/	/
Next letter	Whether QP or NOS	Q
Next two numbers	Occupation code	12
Next two numbers	OS number	01

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**CRITERIA FOR ASSESSMENT OF TRAINEES**

<b><u>Job Role</u></b>	Construction Painter and Decorator
<b><u>Qualification Pack</u></b>	CON/Q0503
<b><u>Sector Skill Council</u></b>	Construction

**Guidelines for Assessment**

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC.
2. The assessment for the knowledge part will be based on knowledge bank of questions created by Assessment Bodies subject to approval by SSC
3. Individual assessment agencies will create unique question papers for knowledge/theory part for assessment of candidates as per assessment criteria given below
4. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training center based on assessment criteria.
5. The passing percentage for each QP will be 50%. To pass the Qualification Pack, every trainee should score a minimum of 50% individually in each NOS.
6. The Assessor shall check the final outcome of the practices while evaluating the steps performed to achieve the final outcome.
7. The trainee shall be provided with a chance to repeat the test to correct their procedures in case of improper performance, with a deduction of marks for each iteration.
8. After the certain number of iteration as decided by SSC the trainee is marked as fail, scoring zero marks for the procedure for the practical activity.
9. In case of successfully passing only certain number of NOS's, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack within the specified timeframe set by SSC.
10. Minimum duration of Assessment of each QP shall be of 4hrs/trainee.

Assessment outcomes	Assessment Criteria for outcomes	Marks Allocation			
		Total Mark	Out Of	Theory	Skills Practical
<b>CON/N0505: Apply OBD, acrylic and emulsion paints on various finished masonry surfaces</b>	PC1. carry out visual and physical inspection of the surface for suitability for painting works	<b>100</b>			
	PC2. measure the surface to be painted and calculate the appropriate quantity of required materials as per applicability				
	PC3. ensure surface is free from dust, dirt and grease and is prepared appropriately prior to application of paints				

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	PC4. apply putty to fill gaps and depressions on the surface to be painted for preparation of a leveled surface if required		24	7	17	
	PC5. ensure that adjacent surfaces are covered with drop cloths/ masking tape/paper and all removable items/fixtures are removed prior to painting					
	PC6. ensure proper cleaning ,maintenance and upkeep of painting tools and equipments before and after use					
	PC7. select appropriate painting material and mixing ingredients as per requirement /specified finish		45	14	31	
	PC8. identify base colour of paint as per the requirements/instructions					
	PC9. select appropriate colorants, suitable for colour match, to meet aesthetic requirements					
	PC10. mix specified amount of paint material with additives as per specified ratio					
	PC11. follow standard procedure for effective mixing and dilution of paints					
	PC12. add reducer/thinner/ water to adjust viscosity of paint mix as per requirement					
	PC13. apply primer coats of paint to the finished/leveled surfaces as per specifications		32	10	22	
	PC14. apply main coat of paint over primer coat within specified time limits as per specification					
	PC15. apply final coat as per required/specified tint					
	PC16. apply tackifier solvent or brush blast to roughen the surface in case recoat time of paint exceeds specified time					
	PC17. clean the surface of each dried coat appropriately before application of the next coat					
		<b>Total</b>	<b>100</b>	<b>20</b>	<b>80</b>	
<b>CON/N0506: Apply paint on metallic / structural steel fabricated assemblies</b>	PC1. carry out visual and physical inspection of the surface for suitability	<b>100</b>	30	9	21	
	PC2. ensure the removal all loose mill scale, loose rust, loose paint and other loose detrimental foreign matter prior to application of paint					
	PC3. ensure fabricated steel /metallic items are cleaned, washed, stripped of previous paints and corrosion and surface is leveled evenly by filling depressions					
	PC4. ensure proper cleaning of all bolts, nuts, welds, and field rivet heads					

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	PC5. ensure machines, equipment, and work areas is cleaned appropriately using water, solvents and other cleaning aids				
	PC6. ensure use of appropriate tools such as rotary or impact power tools to remove rust (rust scale) ,weld slag, flux and weld spatter				
	PC7. ensure proper cleaning ,maintenance and upkeep of painting tools and equipments before and after use				
	PC8. identify base colour as per the requirements/instructions				
	PC9. select appropriate colorants suitable for colour match, to meet aesthetic requirements				
	PC10. mix specified amount of paint material with additives as per specified ratio	30	9	21	
	PC11. follow standard procedure for effective mixing and dilution of paints				
	PC12. add reducer/thinner/ water to adjust viscosity of paint mix as per requirement				
	PC13. apply primer coat as per instruction/specification				
	PC14. apply an appropriate primer for rusted metal surface as per specification				
	PC15. apply specified number of coats of appropriate primer to prevent any oxidization on metal				
	PC16. ensure that the primer coat is allowed to dry for specified time prior to application of any subsequent coat	40	12	28	
	PC17. apply appropriate coats of paint as per the requirements/specification				
	PC18. ensure appropriate drying time between two subsequent coats				
	<b>Total</b>	<b>100</b>	<b>30</b>	<b>70</b>	
<b>CON/N0507: Apply paint ,varnish &amp; polish on wooden windows, doors, partitions, panels &amp; other wooden surfaces</b>	PC1. carry out visual and physical inspection of the surface for suitability	<b>100</b>	12	4	8
	PC2. ensure that all loose & detrimental foreign matter is removed by using appropriate tools				
	PC3. brush bleaching agents on wood surface to restore natural color of wood				
	PC4. treat warped or stained surfaces as per specification to restore original contours and colors				

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	PC5. fill gaps/depressions with appropriate wood filler, if required				
	PC6. smooth, shape, and touch-up surface using sandpaper, pumice stones, steel wool, chisels, sanders, or grinders				
	PC7. ensure that adjacent surfaces are covered with drop cloths/ masking tape/paper and all removable items/accessories /fixtures are removed prior to painting				
	PC8. select appropriate finishing ingredients such as paint, stain, lacquer, shellac, or varnish as per specification / instructions				
	PC9. select appropriate colorants suitable for color match, to meet aesthetic requirements	36	11	25	
	PC10. mix specified amount of paint material with additives as per specified ratio				
	PC11. follow standard procedure for effective mixing and dilution of paint and varnish				
	PC12. add reducer/thinner/ water to adjust viscosity of paint mix as per requirement				
	PC13. apply a primer coat of paint/varnish to the wood surface as per specification				
	PC14. apply paint/varnish coat of specified thickness after the primer has dried for specified time				
	PC15. carry out sanding of the surface using appropriate tools				
	PC16. apply coat of putty/wood filler wood and sand the applied coat				
	PC17. apply finished coats of paint/varnish to produce smooth surfaces of uniform thickness	52	16	36	
	PC18. apply toners, highlights, glazes or shades to obtain desired finish as per specifications				
	PC19. apply lacquer or other sealers as per specification				
	PC20. carry out polishing of the varnished surface using steel wool, pumice, rotten stone or other materials, depending on the shine desired/specified				
	<b>Total</b>	<b>100</b>	<b>30</b>	<b>70</b>	
<b>CON/N0510: Carry out minor repair of various painting faults</b>	PC1. check the painted surface thoroughly for defects	<b>100</b>	36	11	25
	PC2. diagnose the painting problem and point out defects such as Orange peel, blushing, fade, spotting and water marks, discoloration, chalking, cracks, seeds ,runs, Fish eyes (beads), blemished metallic finish, pin				

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	holes, abrasive marks, peeling, putty marks, blisters & shrinkage				
	PC3. understand the nature of defect and carry out remedial action as per applicability				
	PC4. polish the defects with appropriate compound for common defects like orange peel, blushing, fade, spotting and water marks, discoloration, chalking, cracks, seeds, runs.				
	PC5. carry out flattening of the defect using whetstone followed by application of top coat of paint, for defects like Fish eyes (beads), blemished metallic finish, pin holes, abrasive marks, peeling				
	PC6. carry out flattening of the defect using whetstone followed by application of appropriate primer and a top coat of paint, for defects like Putty marks & shrinkage ,				
	PC7. carry out stripping of paint followed by application of putty and paint subsequently, for defects like shrinkage, blisters and cracks				
	<b>Total</b>	<b>64</b>	<b>19</b>	<b>45</b>	
<b>CON/N8001: Work effectively in a team to deliver desired results at the workplace</b>	PC1. pass on work related information/ requirement clearly to the team members	<b>100</b>	60	18	42
	PC2. inform co-workers and superiors about any kind of deviations from work				
	PC3. address the problems effectively and report if required to immediate supervisor appropriately				
	PC4. receive instructions clearly from superiors and respond effectively on same				
	PC5. communicate to team members/subordinates for appropriate work technique and method				
	PC6. seek clarification and advice as per requirement and applicability				
	PC7. hand over the required material, tools tackles, equipment and work fronts timely to interfacing teams				
	PC8. work together with co-workers in a synchronized manner				
	<b>Total</b>	<b>100</b>	<b>30</b>	<b>70</b>	
<b>CON/N8002: Plan and organize work to meet expected outcomes</b>	PC1. understand clearly the targets and timelines set by superiors	<b>100</b>	40	12	28
	PC2. plan activities as per schedule and sequence				
	PC3. provide guidance to the subordinates to obtain desired outcome				
	PC4. plan housekeeping activities prior to and post completion of work				



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	PC5. list and arrange required resources prior to commencement of work			
	PC6. select and employ correct tools, tackles and equipment for completion of desired work			
	PC7. complete the work with allocated resources			
	PC8. engage allocated manpower in an appropriate manner			
	PC9. use resources in an optimum manner to avoid any unnecessary wastage	60	18	42
	PC10. employ tools, tackles and equipment with care to avoid damage to the same			
	PC11. organize work output, materials used, tools and tackles deployed,			
	PC12. processes adopted to be in line with the specified standards and instructions			
	<b>Total</b>	<b>100</b>	<b>30</b>	<b>70</b>
<b>CON/N9001: Work according to personal health, safety and environment protocol at construction site</b>	PC1. identify and report any hazards, risks or breaches in site safety to the appropriate authority			
	PC2. follow emergency and evacuation procedures in case of accidents, fires, natural calamities			
	PC3. follow recommended safe practices in handling construction materials, including chemical and hazardous material whenever applicable			
	PC4. participate in safety awareness programs like Tool Box Talks, safety demonstrations, mock drills, conducted at site	30	9	21
	PC5. select and operate different types of fire extinguishers corresponding to types of fires as per EHS guideline			
	PC6. identify near miss, unsafe condition and unsafe act			
	PC7. use appropriate Personal Protective Equipment (PPE) as per work requirements including: <ul style="list-style-type: none"> <li>• Head Protection (Helmets)</li> <li>• Ear protection</li> <li>• Fall Protection</li> <li>• Foot Protection</li> <li>• Face and Eye Protection,</li> <li>• Hand and Body Protection</li> <li>• Respiratory Protection (if required)</li> </ul>			
	PC8. handle all required tools, tackles, materials & equipment safely			
	PC9. follow safe disposal of waste, harmful and hazardous materials as per EHS guidelines			
		<b>100</b>		
		50	15	25

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PC10. install and apply properly all safety equipment as instructed			
PC11. follow safety protocol and practices as laid down by site EHS department			
PC 12. undertake and pass height pass test as per EHS guidelines			
PC13. collect and deposit construction waste into identified containers before disposal, separate containers that may be needed for disposal of toxic or hazardous wastes	20	6	14
PC14. apply ergonomic principles wherever required			
<b>Total</b>	<b>100</b>	<b>30</b>	<b>70</b>