



**SPECIFICATION - LEVEL 2 ROAD  
SURFACING OPERATIVE v1.1  
(ST0693)**



## Introduction

The Road Surfacing Operative Level 2 apprenticeship develops the competence required to lay, resurface, and improve roads across the UK's public and private highway networks. Apprentices will work with a range of road types, from motorways to residential streets, using specialist plant and machinery such as asphalt pavers, planers, rollers, and bitumen sprayers. The role involves the removal of old surfaces, preparation of the underlying base, resurfacing, alignment, compaction, and inspection to ensure the finished surface meets the specified design and quality standards. Operatives will work outdoors in varying weather conditions, often on different shift patterns, and will be part of a team (known as a gang) delivering safe, efficient, and high-quality work while minimising disruption to road users.

Key Information	
Name	Road Surfacing Operative ST0693
Level	2
Duration	15 months on-programme, 3 months EPA window
Funding Band	£14,000
Prerequisites and Entry Requirements	Before final assessment of the qualification, the Learner must be employed in a relevant role, meet Gateway requirements before taking the End-Point Assessment. have completed a portfolio of evidence and, if applicable, have passed the required Functional Skills. There are no mandatory qualifications required for this this End-Point Assessment.
Methods of Assessment	There are two assessment methods, workplace observation and professional discussion (underpinned by a portfolio of evidence).
Grading	Learners will be assessed across the 2 assessment components and awarded a grade of Fail, Pass, or Distinction. The overall result from each assessment method is combined to decide the overall grade of a Fail, Pass, or Distinction. Grading criteria are outlined in the End-Point Assessment Plan and associated guidance documents.
Link to assessment plan	<a href="#">Road surfacing operative / Skills England</a>

## End-Point Assessment Objective

The End-Point Assessment (EPA) confirms that the apprentice has achieved the required competence to work independently as a Road Surfacing Operative. This includes the ability to operate and maintain specialist plant and equipment, prepare and resurface roadways to the required specifications, and carry out quality checks in line with health, safety, and environmental requirements. Apprentices must demonstrate they can work effectively as part of a team, adapt to varied working conditions and schedules, and deliver high-quality, safe, and compliant road surfacing solutions across a range of environments.

## Programme Structure

Throughout the programme, apprentices will gain practical skills and underpinning knowledge in a variety of settings. They will be employed in a relevant role for typically 15 months, during which they will compile a portfolio

of evidence with support from their assessor. The assessor will monitor progress against the standard to ensure the apprentice is fully prepared for the EPA.

## Available Support

Sample assessment materials for the workplace observation and professional discussion are available to approved training providers to support learner preparation and ensure consistency in delivery.

## KSB Mapping Table

Knowledge	Assessment Method
K1 The various road surfacing techniques including the application and use of primers, epoxy or thermoplastic resins, bituminous emulsions, and various types of aggregate including their limitations and characteristics	Professional Discussion
K2 How to work in accordance with the National Highway Sector Schemes, Industry Codes of Practice, the New Roads & Street Works Act and other guidance relevant to the occupation	Workplace Observation Professional Discussion
K3 Responsibilities under relevant legislation including the Health and Safety at Work Act 1974, Provision and Use of Workplace Equipment 1998 and Manual Handling Operations regulations 1992.	Workplace Observation Professional Discussion
K4 Risk assessments, method statements and other official guidance required in order to undertake work.	Professional Discussion
K5 The structure of the highway, civil engineering methods including the principles of water drainage and construction technology	Professional Discussion
K6 Plant and machinery such as planers, floating screed pavers, rollers, chippers, loading shovels and large hydraulic breakers and their correct usage.	Workplace Observation
K7 Powered units and tools such as disc cutters, breakers, floor-saws, compactor plates, self-propelled rollers and hand tools and their correct usage.	Workplace Observation
K8 Different road categories and types and construction materials appropriate to each together with relevant working methods	Professional Discussion
K9 Drawings, plans and specifications in order to identify what works are required.	Professional Discussion
K10 Traffic management systems and how to work safely within them.	Workplace Observation
K11 The principles of measurement and how to apply them.	Professional Discussion
Skill	Assessment Method
S1 Lay and compact road surfaces using all forms of asphalt and ancillary products such as bond coat and bituminous jointing compounds, in accordance with relevant specifications and industry best practise.	Workplace Observation

S2 Prepare and operate large specialist resurfacing plant and machinery such as planers to remove the existing surface, floating screed pavers laying asphalt, rollers, chippers, loading shovels and large hydraulic breakers.	Workplace Observation
S3 Prepare and operate powered units and tools such as disc cutters, breakers, floor-saws and compactor plates.	Workplace Observation
S4 Carry out the excavation (planing) and reinstatement of the highway, install street ironworks	Workplace Observation
S5 Identify, locate and excavate around underground services to avoid strikes and loss of service	Workplace Observation
S6 Apply appropriate health, safety, environmental and ecological procedures when working on the roads, including the movement, storage, lifting and handling of resources.	Workplace Observation
S7 Plan, undertake and inspect work safely, efficiently and productively.	Workplace Observation
S8 Read, interpret and work to drawings, specifications and highways information.	Workplace Observation
S9 Work safely within temporary traffic management (utilising sterile safety zones, traffic lights, signage, cones and barriers) as required by legislation and industry standards to protect all parties whilst works are undertaken.	Workplace Observation
S10 Communicate effectively using oral and written communication methods.	Workplace Observation
S11 Work effectively within a team environment, cooperating and supporting team members when required	Workplace Observation
S12 Use own time effectively in order to consistently complete work on time to agreed programmes.	Workplace Observation
<b>Behaviours</b>	<b>Assessment Method</b>
B1 Promote a positive safety culture in the working environment.	Workplace Observation
B2 Be polite and courteous when dealing with colleagues, clients and the public.	Professional Discussion
B3 Apply equality, diversity and inclusion in dealing with others.	Professional Discussion
B4 Show a willingness to be adaptable, adjusting to changing work instructions.	Workplace Observation
B5 Display the confidence to resist pressures to work following unsafe practices.	Professional Discussion