

TECHNICAL DATA SHEET

PRODUCT:
SPRAYCO 75

TDS VERSION:
3.3

EFFECTIVE DATE / REVISION:
10/02/23

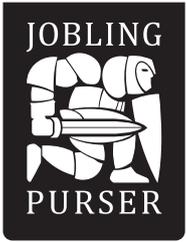


HAPAS
Proscreed 12/H195
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Rocbinda 12/H196



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1. **Product**
SPRAYCO 75
Bitumen Emulsion C67BP3



2. **Description**

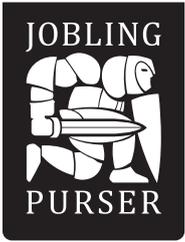
Sprayco 75 is a modified bitumen emulsion which is used in conjunction with suitable washed, durable natural aggregate chippings to provide a hand-applied surface coating to small areas of existing asphalt and concrete surfaces such as footways, cycle paths, driveways and as a decorative finish to landscaped areas. Sprayco 75 has an enhanced viscosity to reduce run-off, and the cohesive strength of a polymer emulsion to provide durability.



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Prescribed 12/H195
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Roebinda 12/H196



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3. Application

Surface dressing with Sprayco 75 should be viewed as a seasonal process to minimise any risk of failure. Typically, suitable conditions can be found between late Spring and early Autumn. A minimum air temperature of 10C and rising is required, in dry conditions with no rain expected in the following 12 hours. More detailed guidance can be found in TRL Road Note 39, Seventh Edition. Aggregates should be checked for compatibility with the Sprayco 75 before commencing work.

Surface Preparation :

The surface to be treated must be thoroughly cleaned of all loose material, dust, oil & grease. Highly porous surfaces (including recently laid macadam) should be treated with sealing grit, and the surplus removed. Alternatives to using sealing grit could be a thin layer of Probit Coldpave SG grade (although this must be allowed to dry fully prior to applying the Sprayco 75) or by brushing kiln dried sand into the voids but removing the excess before applying the Sprayco 75.

Installation :

Stir pails of Sprayco 75 well before use. Drums should be rolled to agitate the contents.

Single-coat application: Apply Sprayco 75 to the surface by pouring a known quantity onto a pre-measured area and spreading with a dampened soft broom to achieve a uniform film at the required rate of spread. Apply the chippings by hand to achieve a single chipping depth with shoulder to shoulder contact, plus 10% surplus. Lightly roll the chippings to achieve a tight, even finish. Allow the emulsion to fully cure before sweeping to remove surplus chippings.

Suitable soft broom to apply
Sprayco 75



Double-coat application: Apply the first coat as before, but reduce the coverage of chippings to approximately 95% before lightly rolling. Allow to cure for at least 24 hours before applying the second coat of Sprayco 75 and a second layer of chippings at approximately 110% coverage. Roll the surface again. Allow the emulsion to fully cure, ensuring the chippings are fully bonded before removing any excess chippings.

Double-coat application is recommended for improved durability, particularly on semi-porous or concrete surfaces.

Typical Application Rates (kg/m²) of Sprayco 75 for a normal hardness, non-porous surface are:-

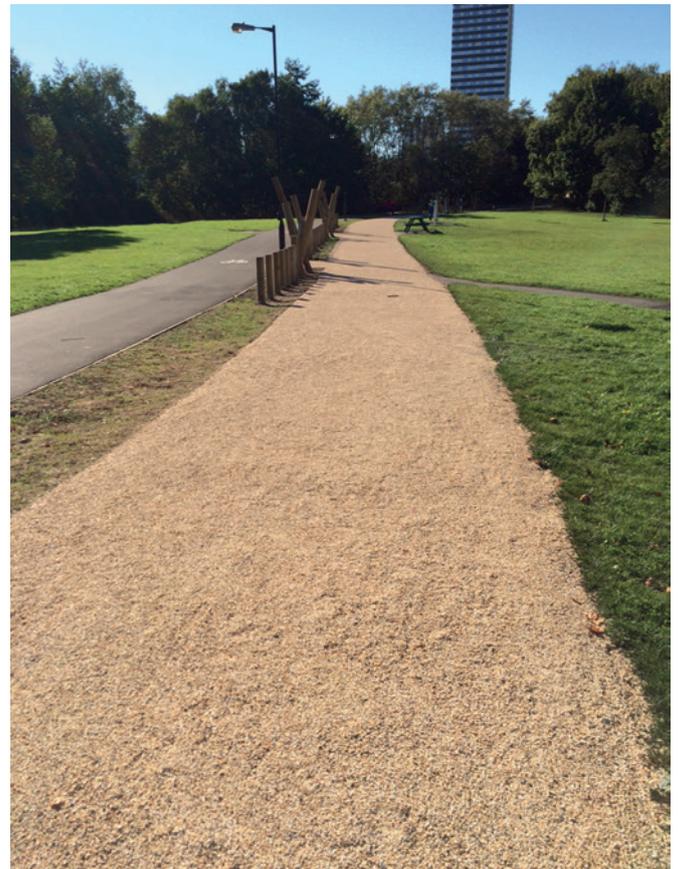
- Single Application, using 2.8/6.3mm chippings: 1.5 – 1.6kg/m²
- Double Application, using 2.8/6.3mm chippings: First Coat 1.2kg/m², Second Coat 1.3kg/m².

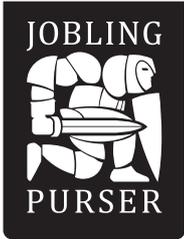
Target rates of spread for 2.8/6.3mm aggregate are:-

- Single dressing: 8-10kg/m²
- Double Dressing: First Coat 7-8kg/m², Second Coat: 9-10kg/m².

It is sometimes difficult to achieve these rates of spread with damp washed chippings so it is therefore advisable to allow an extra 10-20% when estimating chipping quantities.

For binder rich surfaces, rates of spread of Sprayco 75 should be reduced, while for binder-lean and heavily shaded surfaces, rates of spread should be increased. For un-trafficked decorative areas, and areas that are only occasionally used, extra Sprayco 75 and chippings may be of long term benefit in increasing durability. More detailed guidance on rates of spread of binder, and chipping sizes for various conditions is available in TRL Road Note 39 (Seventh edition).





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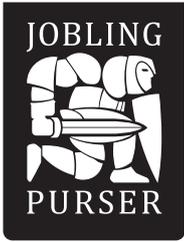
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4. Packaging

Sprayco 75 is supplied in 1,000 litre IBC's, 200 Litre Drums, or 25 litre kegs.

5. Performance

Conforms to BS EN 13808:2013 Bitumen and bituminous binders - Framework for specifying cationic bituminous emulsions.

DECLARED PERFORMANCE			HARMONISED TECHNICAL SPECIFICATION
ESSENTIAL CHARACTERISTIC	PERFORMANCE		
MANUFACTURED EMULSION	VALUE	CLASS	EN 13808 : 2013
Viscosity (EN 12846) [Efflux time 4mm @ 40°C]	5 - 70s	Class 5	
Water effect on binder adhesion (EN 13614)	≥ 90%	Class 3	
Breaking Behaviour (EN 13075-1)	70 - 155	Class 3	
Dangerous Substances	NR	NR	
RECOVER BINDER (EN 13074-1)	VALUE	CLASS	
Consistency at intermediate service temperature (EN 1426)	≤ 150 dmm	Class 4	
Consistency at elevated service temperature (EN 1427)	≥ 46°C	Class 5	
Cohesion (modified bitumen emulsions) (EN 13588)	≥ 1.0	Class 4	
STAGE 1 DURABILITY - STABILISED RESIDUAL BINDER (EN 13074-1, 13074-2)	VALUE	CLASS	
Consistency at intermediate service temperature (EN 1426)	≤ 150 dmm	Class 4	
Consistency at elevated service temperature (EN 1427)	≥ 46°C	Class 5	
Cohesion (modified bitumen emulsions) (EN 13588)	≥ 1.0	Class 4	

6. Storage

Sprayco 75 Emulsion should be protected from frost and under normal conditions has a shelf life of 6 months. Some sedimentation can occur during storage, although the product can be re-homogenised by thorough stirring.

7. Health and Safety Advice/Summary

Reference should be made to the product Safety Data Sheet

8. Additional Information

All products should be used in accordance with the manufacturer's instructions. No responsibility can be taken by the manufacturer where conditions of use are beyond our control. Jobling Purser products are available for sale in accordance with Jobling Purser Standard Conditions of Sale, available on request. Whilst any information and/or specification contained herein is to the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendations or suggestions made by us or our Representatives, Agents, Distributors as the conditions of use and any labour involved are beyond our control. Jobling Purser Technical Data Sheets are updated on a regular basis. To ensure that this Technical Data Sheet has not been superseded, please contact Jobling Purser.

