JOBLING PURSER

TECHNICAL DATA SHEET

PRODUCT:
PROSCREED CRACK REPAIR SYSTEM

TDS VERSION:
1.9

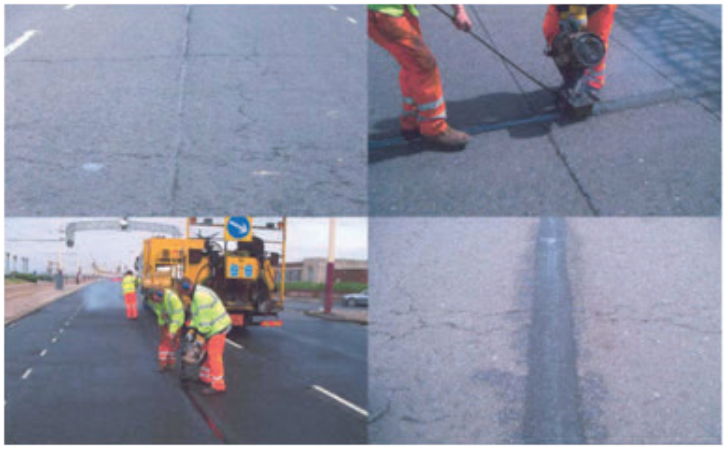
EFFECTIVE DATE / REVISION:
18/06/14

1. Product
PROSCREED CRACK REPAIR SYSTEM

BBA APPROVAL INSPECTION TESTING CERTIFICATION
CERTIFICATE 12/H195

HAPAS
Proscreed 12/H195

2. Description
Proscreed is a 2-part screed applied crack repair system designed to repair cracks & joints up to 40mm wide. It is suitable for all types of bituminous surface course and road, and can be applied throughout the year subject only to the minimum application temperature and dry surface conditions. It is suitable for use on bends and roundabouts, and the HF grade can be used on areas of Clause 924 High Friction Surfacing.
Part A is a blend of polymer modified bitumen, extender, high PSV aggregate and fibres, designed to fill & seal joints and reflective cracks in asphalt surfaces, and to provide a stress absorbing medium for the high friction surface layer (Part B).
Part B is a thermoplastic resin blend incorporating mineral fillers and Granite aggregate – Minimum PSV 62 (Standard Grade) or Calcined Bauxite – Minimum PSV 70 (HF Grade), providing a textured high friction surface. During application of Part B, the screeding temperature causes the two components to fuse together. A small proportion of the less dense A Part, on subjection to the heat from the B Parts application, rises up into the B Part creating a hybrid material exactly where it is needed in the centre of the repair. This provides an optimal combination of flexibility & surface texture retention, where each property is required, over the area of the repair.



3. Application

The two components should be heated in separate mixers equipped with suitable mechanical agitators – Part A is heated to 160º - 180ºC, while Part B is heated to 180º - 210ºC. The crack or joint to be treated must then be thoroughly cleaned and dried using hot compressed air to remove all loose material, dust, grease and foreign matter. Immediately following the hot compressed air treatment, PROSCREED Part A should be applied to the prepared crack or joint with a 40/50mm screed box and finished level with the surrounding surface + 1-2mm. Proscreed Part A should be allowed to cool to ambient temperature prior to the application of PROSCREED Part B.
Proscreed Part B is applied over the Part A, using a screed box >100mm in width to overlap either side of the Part A strip by a minimum of 25mm. The heat of the Part B material will reactivate the surface of Part A, causing a fusion of the two materials in the area immediately above the crack/joint. The finished repair is allowed to cool (typically 15-30 minutes) before opening to unrestricted traffic.

APPLICATION RATES:
Rates of use will depend upon road texture and crack width. Typical rates for a single crack, using a 150mm Screed box for Part B would be 0.9Kg / Lin Metre for Part A and 1.7Kg / Lin Metre for Part B. Severe cracks will significantly increase the use of Part A.

4. Packaging

Part A is supplied in catch weight multiple layer silicon lined paper sacks.
Part B is supplied in low melt polyethylene bags – 25Kg nominal weight.

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5. Performance

Appearance: The standard colour of Part B is Black, but it can be supplied in a variety of colours including Red, Buff, and Green. It should be noted however that traces of Black Part A may be visible above the sealed crack in the finished surface.

Properties:	Part A	Part B
Softening Point R & B (°C):	100°C±10°C	100°C±10°C
Cone Penetration @ 25°C:	≥ 35 dmm	-
Relative Density:	1.8	2.0
Installation Temperature Range:	0 - 35°C	0 - 35°C
Application Temperature:	170°±10°C	195°±15°C
Safe Heating Temperature:	200°C	230°C
Initial Texture Depth (BS 598-105:2000):	-	≥1.5mm
Initial SRV (TRL RN 27:1969) Pendulum Test (STANDARD GRADE):	-	≥60
AS ABOVE SRV (HF GRADE):	-	≥65

6. Storage

Store under cover, in a cool dry place, and out of direct sunlight. Do not top pallets of Part A.

7. Health and Safety Advice/Summary

Use appropriate protective equipment when heating both Part A and B materials, and when handling the molten materials. Do not breathe fumes from hot product. Ensure adequate ventilation – avoid creating and breathing dust. Avoid skin contact. Launder contaminated clothing regularly. Reference should be made to the product safety data sheet for further guidance.

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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.