

Technical Datasheet



ProSec 905E

High Strength Polymer
Modified Cementitious
Topping Grout

Technical Data 77°F (25°C)

Form

100% Grey Powder

Density

2100 -2250 kg/m³

Compressive Strength

@ 1 day	≥ 20 N/mm ²
@ 7 days	≥ 40 N/mm ²
@ 28 days	≥ 70 N/mm ²

Flexural Strength

@ 28 days	≥ 5 N/mm ²
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Setting Time (BS EN196-3: 1995)

Initial Set	≥ 60 mins
Final Set	≤ 600 mins

** Product test report is available
upon request.*

Description

ProSec 905E is a ready mixed, high strength cementitious grout for use in Semi-Rigid Pavement System (or Cement Grouted Bituminous Mix).

Uses

- **ProSec 905E's** key application as topping grout for porous asphalt.

Advantages

- Premixed to ensure good consistency.
- Minimum downtime.
- High early and ultimate strength.
- Good flowability.
- Chloride free.



Application Instruction

Mixing Method

Mechanical mixing is necessary. Into a clean mixing container, pour 5.5 – 6.5 litres of water, add 25kg of **ProSec 905E** slowly. Mix thoroughly until a smooth, lump free consistency is obtained.

Leave to rest for 2 – 3 minutes and re-stir for another 2 – 3 minutes.

Placement

ProSec 905E should be placed within 30 minutes after mixing. The grout is pumped onto the asphalt and worked into the surface manually or with a tractor fitted with rubber scraper.

Curing

Suitable curing methods such as wet mist spray, liquid curing membrane, etc. must be used to protect freshly applied grout from the drying effects of sun and wind.

Curing must start immediately after placement.

Cleaning

Remove uncured **ProSec 905E** from tools and equipment with water.

Hardened material can only be removed mechanically.

Packaging

ProSec 905E is available in 25kg bags or 1MT bulk bag.

Coverage

Approximately 23.5kg/m² - 25kg/m² of **ProSec 905E** @ 50mm thick for asphalt at porosity of 25%.

Shelf life

Stored in unopened original packaging protected from direct sunlight and moisture, shelf life is nine months.

Handling Precautions

- Avoid contact with skin and eyes.
- Wear protective gloves and eye protection during work.
- If skin contact occurs, wash skin thoroughly.
- If in eyes, hold eyes open, flood with warm water and seek medical attention without delay.

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