

# Cormix® Tunnel Seal

## A TUNNEL SEGMENT SEALING SYSTEM

### DESCRIPTION

**Cormix Tunnel Seal** is a bituminous polyester polymer modified self adhesive packing seal for tunnel segments.

### USES & ADVANTAGES

**Cormix Tunnel Seal** is used to seal segmental tunnel segments and other below ground structures.

#### Advantages include:-

- Rot proof.
- Dimensionally stable.
- Excellent adhesion.
- High tear and tensile strengths.
- Excellent resistance to chlorides, sulphates, alkalis and acids.
- Self adhesive.
- Complies with DIN EN 12311-1, ASTM D412 & ASTM D3763-15, BS EN 12390 Part 8.

### PROPERTIES

<b>Thickness:</b>	Nominal 2 mm.
ASTM D3767-03	
<b>Mass per unit area:</b>	1.90-2.10 kg/m <sup>2</sup>
ASTM D5261-92	
<b>Softening point:</b>	> 105°C
ASTM D36	
<b>Tensile strength:</b>	≥ 5 MPa
ASTM D412	
<b>Elongation:</b>	> 100% (Membrane)
ASTM D412	
<b>Puncture resistance:</b>	393 N/23 mm
ASTM E154	
<b>Tear strength:</b>	470 N (longitudinal)
ASTM D 5147	324 N (traverse)
<b>Adhesion strength,</b>	
<b>Primed substrate:</b>	1.8 N/mm
ASTM D 1000	
<b>Self:</b>	2.2 N/mm
<b>Hydrostatic pressure@5 bar (50m):</b>	No leakage
BS EN 12390 (Part 8)	
<b>Shore A Hardness :</b>	55
ASTM D2240	
<b>VOC:</b>	<50 g/l
<b>Note:</b> Thickness is nominal and may vary over the width of the roll.	

### APPLICATION INSTRUCTIONS

Apply at temperatures between 5-55°C  
The surface shall be cleaned thoroughly of all contaminants including dust, grease, paint and curing compounds. Surface imperfections should be made good with Cormix repair mortar **Condur FC**.

### PRIMING

**Cormix Tunnel Seal** is self adhesive, however, if exposed for long periods to the elements it is recommended that the primer is used at 4-6m<sup>2</sup>/litre. Apply by brush or roller. Allow to dry before applying the membrane.

### APPLICATION

Cut to the required size. Peel off the film and press the membrane firmly to the surface. Roll the membrane with a strong iron roller from the centre to edges to expel entrapped air.

### PACKAGING

2.0 mm 1x10 m or 1x15 m  
Primer: 20 litre pail  
Nominal width without selvedge ≥ 90 cm

**Note:** Selvedge is usable with 2 mm Nominal thickness.

The membrane is stored in loose corrugated boxes.

### STORAGE & SHELF LIFE

Ensure the packaging is not punctured when storing.

Store in a shaded area, minimize exposure to sunlight and UV. Protect from all sources of heat. The shelf life is 12 months.

Excessive exposure to UV sunlight or heat will result in deterioration and reduce the shelf life.

### HEALTH & SAFETY

Consult the MSDS. Clean off any bitumen compound on the skin with soap and water. Use suitable protection.

### TECHNICAL SERVICE

The Cormix International Technical Service Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

### QUALITY ASSURANCE

ISO 9001: 2015 verified by TUV Nord.  
ISO 14001 : 2015 verified by Lloyd's Register International.

### DISCLAIMER

Performance data is achieved testing in accordance with International Standards. Testing by others may result in different results from those published as a result of external factors such as poor sampling, incorrect mixing, varying temperatures, curing, crushing procedures etc.

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