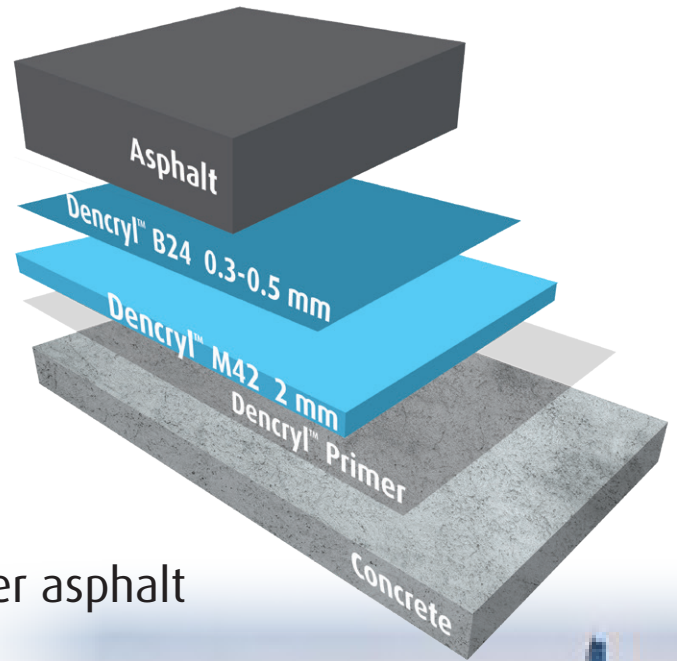


**Dencryl™  
 Bridge  
 Road** (3 - 4 mm)



Waterproofing membrane layer under asphalt

Bridges are continuously exposed to severe stresses and typical factors affecting their longevity, include inadequate protection specified at design phase, quality and handling of concrete and/or steel, physical and chemical exposure, climatic conditions, traffic types and frequency and regularity and quality of maintenance.

Dencryl™ Bridge Deck Waterproofing systems provide 100% effective seamless waterproofing thereby denying entry of water, chloride and de-icing salts from permeating into and percolating through the structural concrete deck and thus preventing the steel reinforcement corroding. This also includes corrosion inhibition of orthotropic steel decks etc. where these are the decks of choice.

**Benefits**

- Sufficiently resilient even after 45 – 60 minutes of being applied to allow hot rolled asphalt equipment to traffic Dencryl™ Membrane without protection board.
- Will adhere well to dry and clean surfaces including steel and pipe outlets etc.
- Will resist rain and snow within 45-60 minutes of installation.
- Bond of membrane in excess of concrete tensile or cohesive strengths.
- Flexibility sufficient to bridge cracks in excess of 3.5 mm in well below freezing conditions.
- Very easily repaired if damaged.
- Rapid setting and curing enables limited 'possession' and rapid handover irrespective of ambient conditions.



For more colors please see separate color chart.



## Dencryl™ Bridge Road (3 - 4 mm)



Waterproofing membrane layer under asphalt

### SYSTEM BUILD-UP

Layer	Material	Application Rate	Thickness
Primer on substrate <sup>1</sup>	Dencryl™ P11 or P12	0.3-0.5 kg/m <sup>2</sup>	0.3-0.5 mm
Broadcast aggregate	Quartz 0.3-0.7 mm	0.3 kg/m <sup>2</sup>	
Membrane <sup>2</sup>	Dencryl™ M42	Min. 2.8 kg/m <sup>2</sup>	Min. 2.0 mm
Tack Coat	Dencryl™ B24	0.3-0.5 kg/m <sup>2</sup>	0.3-0.5 mm
Broadcast aggregate	Quartz 0.3-0.8 mm	Min. 1.0 kg/m <sup>2</sup>	
2nd Tack Coat <sup>3</sup> (if required)			

<sup>1</sup> Porous or uneven substrates may require multiple primer coats.

<sup>2</sup> Membrane application rate/thickness: min. 2.8 kg/m<sup>2</sup> for single layer.

<sup>3</sup> If the asphalt being placed on the Dencryl™ Waterproofing System is less than 80 mm total, an additional hot melt polymer-modified bitumen tack coat will be required.

### TECHNICAL DATA

#### Properties

Fully cured at 20°C

Applied thickness

Water Permeability

Hardness

Compressive strength

Reaction to fire

Bond strength

Temperature resistance

Thermal expansion coefficient

Abrasion resistance

Thermal conductivity

Slip resistance

#### Value

2 hours

3-4 mm

Nil – Karsten test (impermeable)

SHORE D 80

85 MPa

D<sub>fl</sub>-S<sub>1</sub>

>1.5 MPa

Up to 80°C at 4 mm

<40 ppm

50 mg/1000 cycles (Taber Abrader)

< 0,8 W/m·K

R9 – R13