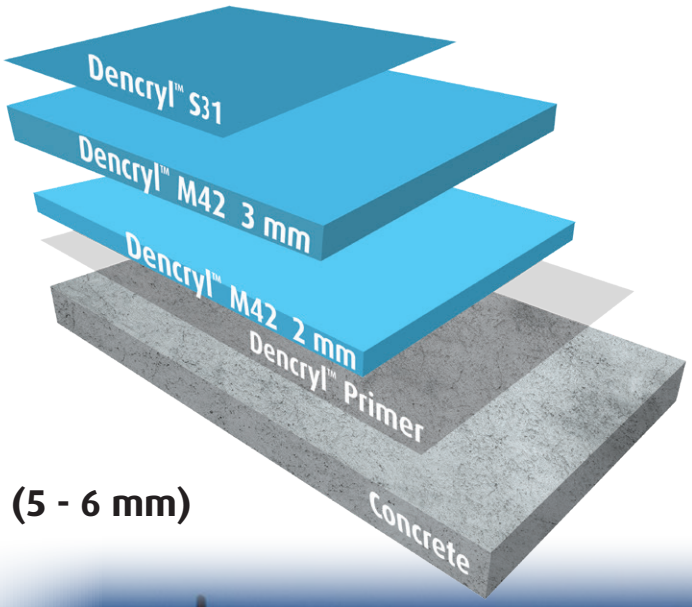
DenCoat™

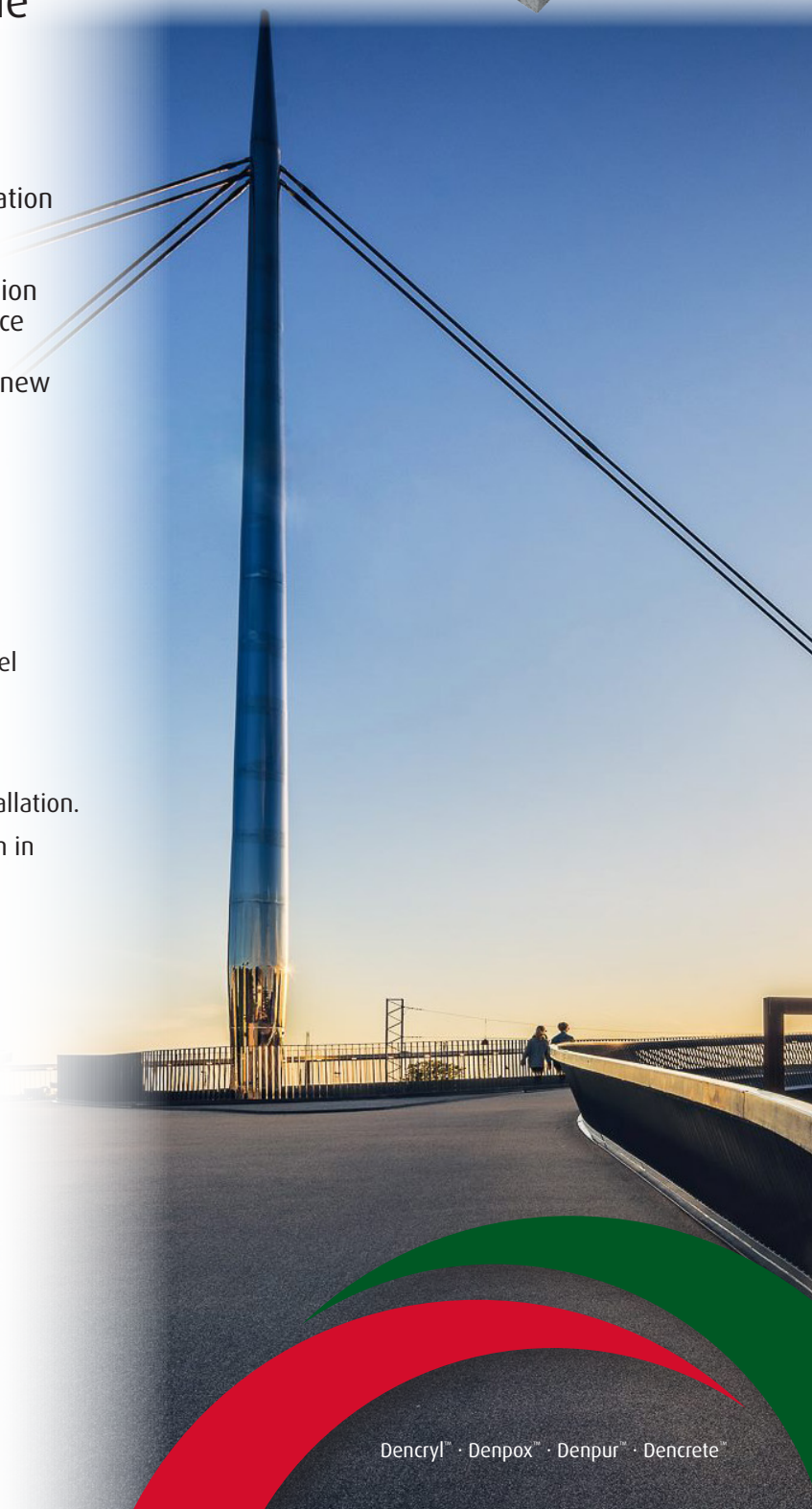
Tomorrows Floors Today



Dencryl™ Bridge Pedestrian (5 - 6 mm)

Exposed waterproofing membrane layer as wearing layer

Safety and durability are key for pedestrian and cycle bridges. Dencryl™ Bridge Pedestrian bonds with the substrate and provides a sealed wear layer in combination with a flexible, crack-bridging barrier membrane and surface friction suited for walking and cycling.
Dencryl™ Bridge Pedestrian provides a low density option to provide a wear, impact and abrasion resistant surface that will offer corrosion resistance, slip resistance and limited maintenance requirements. It can be used on new bridge construction, routine maintenance or bridge restoration applications.
Dencryl™ Bridge Deck Systems are only installed by authorised and approved applicators.



Benefits

- Will adhere well to dry and clean surfaces including steel and pipe outlets etc.
- Bond of membrane in excess of concrete tensile or cohesive strengths.
- Will resist rain and snow within 45 – 60 minutes of installation.
- 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 rapid handover.

Yellow | Buff | Red | Blue

Dark Green | Dark Grey | Light Grey | White

For more colors please see separate color chart.

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SYSTEM BUILD-UP

Layer	Material	Application Rate	Thickness
Primer on substrate[1]	Dencryl™ P11 or P12	0.3-0.5 kg/m²	0.3-0.5 mm
Broadcast aggregate	Quartz 0.3-0.7 mm	0.3 kg/m²	
Membrane[2]	Dencryl™ M42	Min. 2.8 kg/m²	Min. 2.0 mm
Wear layer	Dencryl™ M42 + aggregate	6 kg/m²	3 mm
Seal coat	Dencryl™ S31	0.3-0.5 kg/m²	0.5-0.8 mm

[1] Porous or uneven substrates may require multiple primer coats.
[2] Membrane application rate/thickness: min. 2.8 kg/m² for single layer.

TECHNICAL DATA

Properties	Value
Fully cured at 20°C	2 hours
Applied thickness	5 - 6 mm
Water Permeability	Nil – Karsten test (impermeable)
Hardness	SHORE D 80
Compressive strength	85 MPa
Reaction to fire	D_{fl}-s_1
Bond strength	>1.5 MPa
Temperature resistance	Up to 80°C at 4 mm
Thermal expansion coefficient	<40 ppm
Abrasion resistance	50 mg/1000 cycles (Taber Abrader)
Thermal conductivity	< 0.8 W/m·K
Slip resistance	R9 – R13

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