

Characteristics

Functionality

- Extremely low viscosity and high capillary action
- Deep penetration into substrate
- Non-staining
- Non-film forming
- Reacts with dampness in the concrete forming a hydrophobic surface lining in the pores and capillaries
- Reduces ingress of water and yet permits the concrete to breathe (water vapor transmission)
- Reduces penetration of soot and grime
- Resistant to chloride ingress

Application

Apply by brush, roller or sprayer

Area of use

- Facades
- Precast concrete elements
- Exposed concrete surfaces
- Bridge structures
- Tunnels
- Jetties

Technical data

Data	Criteria	Test Standard	Value	Unit
	Density		0.81	g/cm ³
	Viscosity @ 23 °C	Rotation viscometer	10	mPas
	Flashpoint		44	°C
	Initial surface absorption @ 60 mins	BS 1881	0.002	ml/m ² /sec

The values stated are average values. Due to the use of natural raw material in our products, the actual value determined on an individual delivery may deviate slightly, without compromising product suitability.

Application

Substrate preparation	The surface to be impregnated must be clean, dry and free from oil, grease, dust, laitance and loose particles. Mechanical pretreatment is generally not necessary.
Coating procedure	Gem Coat DCI is supplied as a ready-to-use product. It can be applied in one or more applications by spray, roller or brush. On absorbent surface, increase rate of application until surface is completely saturated.
Consumption	The coverage rate is approximately 5 - 10m ² /litre per coat depending on the absorbency of the surface.
Application temperature	Minimum application temperature +8°C Maximum application temperature +45°C
Cleaning of tools	Tools must be cleaned immediately after use with thinner.

Delivery

Colour Colourless

Packing

Gem Coat DCI is available in 20 litre pail

Storage**Storage life / conditions**

The shelf life of Gem Coat DCI is approximately 12 months if stored in cool conditions.

Special notes**Safety Precautions**

After full curing, Gem Coat DCI is physiologically harmless. Keep the product away from eyes, mouth and skin. Do not inhale vapour. Protective gloves should be used when handling these product. If skin contact occurs, cleaned immediately with soap and plenty of water. DO NOT use solvent. The use of goggles is recommended, however, should accidental eye contamination occur, rinse thoroughly with plenty of clean running water and seek medical immediately. Gem Coat DCI is flammable. DO NOT expose liquids or vapours to naked flames or other sources of ignition.

Technical Support

Please consult Technical Service Department or the local sales office for further information and any site assistance required.

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