

GEE - GUARD SYSTEMS



PRODUCT DATA SHEET – Gee Guard G-C (Grout Chemical Resistant)

PRODUCT DESCRIPTION:

Gee Guard G-C is a two pack ceramic composite Novolac-Epoxy lining with high chemical resistance providing outstanding abrasion and corrosion protection to a wide variety of metal, fibreglass, reinforced plastic, concrete substrates in aggressive chemical environments.

TECHNICAL INFORMATION:

Colour:	Light Grey, Dark Grey	
Volume Solids:	100% (+/- 1%)	
VOC:	None	
Flexibility:	Excellent	>1% (NACE RP0394-94)
Abrasion resistance:	Excellent	<35,0 mg loss (ASTM D4060)
Adhesion:	Excellent	>25 N/mm ² (ISO 4624)
Specific Gravity (Mix):	1,769	
Application range:		

Film thickness per coat		Theoretical spreading rate m ² /l
Dry	Wet	
1000µm	1000µm	1,0

Number of Coats: One coat. 1000-5000µm typical.

APPLICATION DATA:

Application methods:	Trowel Application, Can also be adapted for application with Plural component airless spray equipment
Mixing Ratio by weight:	4,36 : 1, A (base) to be mixed thoroughly with 1 part B (hardener)
Mixing Ratio by volume:	2,55 : 1, A (base) to be mixed thoroughly with 1 part B (hardener)
Potlife (20°C):	20-30 minutes (reduced at higher temperatures)
Thinner:	Proguard Thinners
Filters:	NA

SURFACE PREPARATION:

Gritblasting to minimum Sa 2,5 (ISO 8501-1). Surface to have a good profile with a roughness of 50-100µm.

CONDITION DURING APPLICATION:

The temperature of the substrate should be minimum 10°C and minimum 3°C above the dew point of the air. Relative humidity should be below 85%. Temperature and relative humidity measured in the vicinity of the substrate.

DRYING TIME:

Substrate Temperature	Gel	Service	Cured	Recoat	
				Minimum	Maximum
20°C	1,0 h	3 h	10 h	1,5 h	-

STORAGE AND PACKING:

Preferred storage conditions are to keep the containers in a dry and cool area below 40°C provided with adequate ventilation. The containers should be sealed tightly.

Packing:	1 + 2 Liter kits. Bigger on request.
Shelf life:	See labels for shelf life details.

HEALTH AND SAFETY:

Observe the precautionary notices on the container label, and read the Material Safety Data Sheet before use. The product is intended for use by properly qualified professional applicators in industrial conditions. The product is flammable and should be kept away from sparks, open flames, and other sources of ignition. Smoking is prohibited in the application area. Wear suitable respiratory equipment and apply in well ventilated areas. Avoid contact with the skin and eyes.

DISCLAIMER

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