Technical Data Sheet

EPOGLASS GF HT

Serie 138200

PRODUCT DESCRIPTION

Two components solvent free epoxy paint, glass flake reinforced.

INTENDED USES

The type of resin and hardener give the paint an excellent chemical resistance under very strict operating conditions. This system can be used where high temperatures chemical resistance are required . Suitable for the protection of steel and concrete against the aggression of water, oils, aliphatic hydrocarbons, salt solutions, acids and alkalis solutions.
Optimal for paint system with high chemical inertia at high temperatures.

TECHNICAL INFORMATIONS

Product type	Solvent free epoxy glass flake reinforced				
Colours	Gray and green				
Solids (% +/- 2)	99 (by Volume) 99 (by Weight)	SOV/VOC (g/liter)	<27	Directive 2004/42/CE	
Specific Gravity (g/liter +/- 100)	1270	SOV/VOC (g/liter) (calculated)	24,84	Directive 2010/75/CE	
Flash Point (°C +/- 2)	not flammable				
Appearance	glossy, smooth				
Temperature Resistance (°C)	140 (constant dry) - 95 (immersion)				

APPLICATION DATA

Application Range	Film tickness per coat in micron		Theoretical spreading rate		Consumption
	Dry	Wet	m^2/l	m^2/kg	g/m^2
(min - max)	250 - 500	253 - 506	4 - 2	3.1 - 1.6	-
Typical	**300**	**304**	**3.3**	**2.6**	**385**

Room Temperature	min 5°C	Max 40°C	Relative Humidity	min 5%	Max 90%
Mixing Ratio	4 - 1 (by weight)		2,8 - 1 (by volume)		
Pot life	1 h (diminuisce a temperature elevate)				
Thinner/Cleaner	thinner for epoxy paint				

Application methods	Use airless spray with high compression ratio (min. 60:1). Remove all the filters. Spatula. Brush is recommended for stripe coating and small areas, care must be taken to achieve the specified dry film thickness.

Guideline for airless spray

Pressure at nozzle	5000psi
Nozzle tip	221

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SURFACE PREPARATION

Surfaces must be clean, free of various contaminants. Oil and grease must be completely removed through the use of appropriate solvents. Blast cleaning Sa2,5 (Sa3).

CONDITION DURING APPLICATION

The temperature of the substrate should not be less than 5°C and at least 3°C the dew point of air, with measuring of temperature and humidity in the vicinity of the substrate.

DRYING TIMES

Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly. The figures given in the table are typical with: good ventilation (outdoor exposure or free circulation of air), recommended film thickness, one coat on top of inert substrate.

Substrate temperature	Surface Dry [1]	Hard Dry [2]	Cured [3]	Dry to recoat [4]	
				minimum [5]	Maximum [6]
10°C		24 h	10 - 15 gg	20 h	48 h
20°C		18 h	7 - 10 gg	12 h	24 h
30°C		12 h	5 - 7 gg	6 h	18 h

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2 Data provided by the laboratory and practices experiences.

3 Data provided by the laboratory and practices experiences.

4 Data provided for the covering with the same generic type of paint.

5 In the case of application of several coats, the drying time will be affected by the number of hands in sequence, and the total thickness reached.

6 The surface should be dry and free from contamination before applying the next coat.

Given data must be considered as guidelines only. Actual drying time can only be decided at site, depending on age of existing system, generic types, numbers of coates, thinning, temperature, ventilation, etc.

THIS PRODUCT IS INTENDED FOR PROFESSIONAL USE ONLY

The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly and according to Ti.Pi.Ci.'s technical documentation.

STORAGE AND PACKAGING

STORAGE	the product should be stored in accordance with national regulations. The best storage conditions are to keep the packages in a dry space provided with adequate ventilation.
SHELF LIFE	6 months
PACKAGING	16 kg comp. A and 4 kg comp. B (20 kg KIT A+B)

HEALTH AND SAFETY

For detailed information on the health and safety hazards and precautions for the use of this product, we refer to the Material Safety Data Sheet.

Disclaimer

The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often used under contitions beyond our control, we can not guarantee anything but the quality of the product itself. We reserve the right to change the given data without notice.

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