

Technical Data Sheet

EPOXYGEL

Serie 139150

PRODUCT DESCRIPTION

Two-pack hight-build epoxy gelcoat, exceptional abrasion resistance and high resistance to a wide range of chemicals and solvents.

INTENDED USES

Usable as covering to tall thickness for the protection of structures in aggressive environments strongly; gives the tall thixotropy it is possible to get thickness of the order of 1.000 micrometers in vertical without straining. Good edge coverage, time of enough long workability and rather elevated reactivity that it allows the hardening beginning from +5 C. Usable for the construction of dice and the protection of surfaces submitted to strong abrasion.

TECHNICAL INFORMATION

Product type	Epoxy primer-finish			
Colours	Dark green			
Solids (% +/- 2)	100 _{by Volume}	100 _{by Weight}	SOV/VOC (g/liter)	<42 Directive 2004/42/CE
Specific Gravity (g/liter +/- 100)	1750		SOV/VOC (g/liter) (calculated)	43,01 Directive 2010/75/CE
Flash Point (°C +/- 2)	>100			
Appearance	flat			
Temperature Resistance (°C)	90			

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)	1000 - 2000	1000 - 2000	1 - 0.5	0.6 - 0.3	-
Typical	1000	1000	1	0.6	1750

Room Temperature	min 10°C	Max 40°C	Relative Humidity	min 5%	Max 80%
Mixing Ratio	100 - 7 (by weight)		100 - 13,5 (by volume)		
Pot life	1h (at 25°C)				
Thinner/Cleaner	N.A.				

Application methods brush, roller, spatula and machines with rotating cups.

Guideline for airless spray

Pressure at nozzle	N.A.
Nozzle tip	N.A.

Ti.Pi.Ci. s.a.s. di C.M. Pinto & C.

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SURFACE PREPARATION

STEEL: blast cleaning to Sa 3 (Sa 2,5).

CONDITION DURING APPLICATION

the temperature of the substrate should be min. 10 °C and min. 3 °C above the dew point of the air. The temperature and relative humidity should be measured 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	N.A.	N.A.	N.A.	N.A.	N.A.
20°C	N.A.	2 h	7 gg	N.A.	N.A.
30°C	N.A.	N.A.	N.A.	N.A.	N.A.

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- 2 Data provided by the laboratory and practices experiences.
- 3 Data provided by the laboratory and practices experiences.
- 4
- 5
- 6

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 coats, 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 12 months
PACKAGING 9 kg comp. A and 0,63 kg comp. B (9,63 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.