

# INDUSTRIAL FLOORING

DATA SHEET

## TECHNOFLOOR PROTEX 138 EPR

Coloured Solvent Two-Component Epoxy Resin Based Finish  
with High Chemical Resistance

### CHARACTERISTICS AND USE

TECHNOFLOOR PROTEX 138 EPR is a coloured two component epoxy finish with high content of solids used to protect resinous flooring realised with TECHNOFLOOR 134 PSL, TECHNOFLOOR 178 SL, TECHNOFLOOR 138 EPR from ultraviolet radiation and increase the mechanical and chemical resistance of the same. Thanks to its high resistance to abrasion, the product may be used as thin coat paint for outdoor and indoor concrete surfaces treated with EPOBASE, EPOCON 312 TIXO or EPOCON 312 SL primer depending on the presence of dampness or otherwise. The product is extremely resistant to chemical aggression, above all to lactic acid and is therefore ideal for application in the dairy industry.

### PREPARATION OF THE LAYING SURFACE

RESINOUS SYSTEMS used to cover industrial concrete surfaces must be applied on decks with no vapour pressure and/or rising dampness; on compact surfaces, having a compressive strength of at least 25 N/sq.mm, and tensile strength of at least 1.5 N/sq.mm, in order to prevent the resin from tearing the contact surface during catalysis. If the humidity level of the deck is 4% or more, an epoxy-cement chemical barrier like EPOCON 312 TIXO or EPOCON 312 SL should be applied before the resinous cycle. The deck should be perfectly clean, without traces of oil, grease, dust and dampness. When preparing the deck, the crumbly surface layer and soluble salts should be removed and the deck roughened in order to improve the adhesion of the successive resinous coating. The technique to use should be decided at the worksite and depends on the type of deck, its condition and mechanical characteristics as well as the thickness of the coating to lay. Use of a sand blasting or shot peening machine and primer is recommended wherever possible.

TECHNOFLOOR PROTEX 138 EPR may be applied to resinous decks only once the previous layer has hardened but should in any case be applied within 24 hours. If the product is applied after this maximum recoating time, the previous layer should be sanded lightly.

### APPLICATION METHOD

Carefully stir the two components pouring all the contents of Comp. B into the container of Comp. A. Pour the mixture into another container to avoid applying product which has not been perfectly mixed. Taking into account the pot-life, pour the product onto the deck and spread it with a short-bristle roller. For applications on resinous flooring, one coating of TECHNOFLOOR PROTEX 138 EPR is sufficient. If the product is applied as a film coating to protect concrete surfaces, the deck should be appropriately prepared and primed taking into account the final use of the flooring and its initial condition. Now apply two consecutive coats of TECHNOFLOOR PROTEX 138 EPR, crossing the coatings. To obtain a non-slip surface, the addition of the synthetic aggregate called ADDITIVO AS is recommended.

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Characteristics of the liquid product		Drying or hardening at 23°C and R.H. of 50%	
Specific weight (A+B)	1,45 ± 0,1 Kg/dm <sup>3</sup>	Pot life	Approx. 1 h
Dry residue	94 ± 1%	To touch	10 h
Brookfield viscosity (with viscosimeter rotor 3 - speed 10)	7200 ± 200 cps	Interval between coatings	max 24 h
Weight ratio of the two products	A:B = 79:21		
Appearance Component A Component B	viscous liquid pigmented yellowish liquid		
Characteristics of the dry product		Storage instructions	
Adhesion (on fibre cement primed with EPOBASE S)	358 ± 50 N/cm <sup>2</sup>	Storage temperature	MIN. 5°C - MAX 40°C
		Stability in original drums	6 months
		Packaging	A+B = 10 kg - 20 kg
		Colours available	Grey - Red - Green. Other on request. Please contact our technical office for information on colours and quantities
Tooling	Thinner	Type of thinner	Cleaning method
Roller Brush Spray with or without air	Approx. 10% Approx. 5% Approx. 10%	DIL MS1 DIL MS1 DIL MS1	DIL MS1 DIL MS1 DIL MS1
Consumption			
- Approx. 200 gr/mq per coating			

### IMPORTANT INSTRUCTIONS

The ambient and laying surface coating temperature must be between 10°C and 30°C and must be at least 3°C above dew point. The relative humidity must not exceed 80%.

### REGULATIONS (According to EEC regulations)

Symbols:

COMPONENT A: MAY CAUSE IRRITATION - DANGEROUS FOR THE ENVIRONMENT

COMPONENT B: CORROSIVE

Risks:

READ THE SAFETY RECOMMENDATIONS OF EACH COMPONENT

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