



METAL LIFE EPOXY



DESCRIPTION

Epoxy system which uses 2K Primer 728 as undercoat and FERRO TOP 104 as final coating. It achieves high corrosion protection of the metal surfaces especially in high corrosion environments and also high performance on adhesive strength and impact resistance. The system is recommended for indoor application and it is suitable for new application but also for restoring old surfaces. It expands the life time of the metal structure and improves the economic performance of the system.

CHARACTERISTICS

- High adhesion
- Perfect protection of the metallic surface
- High mechanic and chemical resistance
- High performance
- Easy to apply

USES

- Ideal for surfaces made of:
- Metallic constructions
 - Metallic frames
 - Manufacturing buildings
 - Metallic scales

CLEANING OF TOOLS

STORAGE

One year, in a closed vessel, in storage temperatures between 5oC – 35oC.

V.O.C. VOLATIVE ORGANIC COMPOUNDS

Product Category: A/j (SB) 'Two-pack reactive performance coatings for specific end use such as floors' of 2004/42/EC. Maximum limit VOC value of category: 500gr/lit. Maximum VOC concentration of ready to use product: 499gr/lit.

SPECIFICATIONS

Appearance:	Thick liquid
Color:	Various shades
Viscosity:	(A+B) 1500 - 2000 mPa · s at 23 ° C
Mixing ratio (A: B):	3 Kg A with 1 Kg B
Density:	(A+B) 1.15 ± 0.02 gr / cm3
pH:	Not applicable
Solids w/w	(A+B) 71.5%
Ideal application and drying temperature:	15 - 25oC
Coagulation time in container:	50min
Deep drying:	3days
Full hardening:	7 days
Attribution:	300-500 gr / m2 in two layers.
Recommended application thickness:	100 µm
Luster 60o:	95
König hardness after 7 days:	50sec
Artificial aging (500hr)	No change
Adhesion to metal (Cross cut):	0-1
Dilution:	5-10% Nitrogen solvents or epoxidic solvents
(*) The exact time depends on the temperature and relative humidity prevailing during application and drying.	

APPLICATION

- Stir the A component with the B component with a low speed agitator for 2-3 minutes. Then leave the mixture for 30sec and then stir again for 1 minute.
- Caution! All the quantity of A must be stirred with the B component in the proportion given to each set. If a smaller quantity of final product is to be applied then it is necessary to weigh the ingredients in the same proportion by weight.
- Also, be careful not to leave final material (A + B) in the container for more than 50 minutes. The material will begin to harden and it will be impossible to work afterwards.
- Apply the product in the surface with a roll or a brush in one or two layers. For better workability, it can be diluted with Nitro Solvent or Epoxy Solvent. The second layer is applied after the previous one has dried (always after testing).
- Caution: in temperatures over 35oC, the adhesion of the product is possible to be reduced.

LIMITATIONS

- Do not apply at temperatures below 5oC or above 35oC
- Do not apply when the relative humidity of more than 80%
- The substrate moisture must not be more than 4%
- Wet surfaces should be allowed to dry thoroughly before application
- The fresh-colored surface should be protected from cold and moisture for at least 24 hours

PRECAUTIONS

COMPONENT A: Flammable liquid and vapour. Harmful if inhaled. Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. Contains epoxy constituents. May produce an allergic reaction. PRECAUTIONARY STATEMENTS: Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Keep container tightly closed. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a POISON CENTER or doctor/physician if you feel unwell. If skin irritation or rash occurs: Get medical advice/attention.

COMPONENT B: Flammable liquid and vapour. Harmful if swallowed. Harmful if inhaled. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects PRECAUTIONARY STATEMENTS: Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Keep container tightly closed. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

