COMPLIANT WITH EU NORM
UNI EN 13813
SR RWA10-IR4-B2,0
SCREEDS BASED ON SYNTHETIC RESYN

NATURE OF PRODUCT

Two-component water-based liquid epoxy formulation, made of special hardeners and fluid epoxy resins. Product with a satin finish, suitable for painting concrete floors and skirtings, even those subject to moisture. Solvent-free product with very low emissions.
UNIBAR F is breathable and can also be used without a vapor barrier, and creates a surface with good resistance to diluted acid, alkaline and saline solutions.

USE FIELDS

On new or well-maintained surfaces it is possible to create a thin floor coverings in the food, pharmaceutical, chemical, mechanical industries, warehouses, offices, laboratories and also for garages, and underground car parks.

SURFACE PREPARATION

The concrete pavement shall have the following characteristics: level, compact, free of dust and pollutants; with a tensile strength (pull-off) of at least 1.5 MPa.
During application, the substrate must have no free water on the surface. In addition, the substrate must be flat, continuous and free of unevenness in order to achieve an aesthetically pleasing look.

APPLICATION

Multilayer use:

Pour component B into component A, mix with drill at low speed. Pour 30-35% by weight of quartz 0.1-0.3 calculated on the weight of the package, into the resulting mixture, then homogenize. Apply the product thus prepared, smoothing the floor with a smooth trowel. The consumption of the mixture will depend on the flatness of the floor and the type of preparation carried out, but must in any case be between 350 and 400 g/m^2.
The following day, prepare UNIBAR F by pouring component B into component A, mixing with a drill at low speed and diluting the mixture with approx. 5% clean water. Then apply one coat of the product by roller, using approx.150 - 170g/m^2.

Paint use:
pour component B into component A, mix with drill at low speed. Dilute the mixture with approx. 5% clean water. Apply one coat of the product by roller, using approx. 150-170 g/m^2.
The following day, prepare UNIBAR F by pouring component B into component A, mixing with a drill at low-speed and diluting the mixture with approx. 5% clean water. Then apply one coat of the product by roller, using approx. 150-170gsm.

As a finish on other floor coverings:

UNIBAR F can be applied in one or two coats as a finish on multilayer and self-levelling cycles made with UNIBAR T.

Prepare UNIBAR F by pouring component B into component A, mixing with a drill at low-speed. Then dilute the mixture with approx. 5% clean water. Apply one coat of the product by roller, using approx.. 150-170 g/m^2. If you wish to apply a second coat the following day, proceed as for the first.

APPLICATION OF THE FINISH

To reduce the surface soiling and increase the durability of the product, it is possible to overcoat in a single coat with a roller of WINMAT (transparent aliphatic matt top coat) or WINGLOSS (transparent aliphatic gloss top coat). The finish should be applied no earlier than 24 hours after the application of the last coat of UNIBAR F and no later than 48 hours after.

LIMITATIONS DUE TO ENVIRONMENTAL CONDITIONS

Apply the product at temperatures between +10°C and +30°C with R.H. <70%. The surface of the substrate must have a temperature of +3°C above the dew point.
The substrate temperature below +10°C SENSITIVELY slows down progressive hardening, therefore, do not apply the product below this temperatures. Avoid leaving the two components (A and B) in the sun (vans, trucks, etc.), as this drastically reduces workability times. Do not use the product beyond its pot life.

CAUTIONS

Do not dilute UNIBAR F with any type of solvents.

CONSUMPTION

See application.

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TOOL MAINTENANCE
Clean tools with ethylic alcohol before curing the product.

PACKAGING
Component A: 10 kg
Component B: 2 kg

STORAGE
The product, in its unopened packaging, has a stability 12 months. Protect against frost. Store at temperatures between +5°C and +30°C.

SAFETY INSTRUCTIONS

PRECAUTIONS
For information about safety, user must refer to the most recent Safety Data Sheet, edited in accordance with the regulations in force, which contains physical, toxic and other data about the product in use.

ECOLOGY
Do not throughout the product and/or empty containers in the environment. Consult the most recent Safety Data Sheet for further information about disposals.

PHYSICAL FEATURES OF UNIBAR F

FEATURE	COMP. A	COMP. B
Look	LIQUID	LIQUID
Colour	Coloured	TRANSPARENT
Density g/cm³	1.45	1,15
Solid content	60%	100%

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PERFORMANCE DATA OF HARDENED PRODUCT ACCORDING TO UNI EN 13813

Features	Standard	Results
Wear resistance due to rotating loads	UNI EN 13892-5	≤ 10cm^3
Impact resistence	UNI EN ISO 6272	≥ 20 N.m
Adhesion strength	UNI EN 13892-8	≥ 2,0 N/mm^2
Fire reaction	UNI EN 13501-1	F_{fl}

UNIBAR F APPLICATION DATA

Components mixing ratio	Comp. A + Comp. B 7,5 kg + 1,5 kg
Aspect after mixing of component A, B	Fluid
Density	1,40 g/cm³
Range of Application Temperatures	+5°C to +30°C
Pot-life	70 MINUTES (+10°C) 50 MINUTES (+20°C) 30 MINUTES (+30°C)
Hardening time	20 h (+30°C) to 24 h (+20°C)
Full harder	After 10 days

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