Advanced
Pavement
Systems

Certified Quality System since **FEBRUARY 1993**

From Project to Jobsite

Finishing system for concrete floors

Tecnopav EP 215 Ral *(see colour cards)*

PROTECTIVE COATING
PHYSICAL PROTECTION

CYCLE CE approved – Certificate n. 1305 - CPD - 0808
EN 1504-2 prospect ZA.1f

General — Epoxy-amine two-component product, charged with fillers and pigments, solvent free, hardening at ambient temperatures.

Characteristics
Easy application
Optimal adhesion
Excellent chemical resistance
Good abrasion resistance
Good colour stability

use — For the realisation of a continuous floor finish at low thickness, about 100 micron, with anti-dust properties, for inside of civil or industrial buildings. Ecological system.

Application δ
Tools: short haired roller; or wide hard brush (15 mm) or by airless spray equipment, nozzle 18/21.
Applied on : Tecnofix EP 51 (see Technical Datasheet)
Temperature of application: 10÷35°C and relative humidity max. 60%
Clean tools with : water and solvents for epoxy.

APPLICATION METHOD

SUBSTRATE PREPARATION

Prior to proceeding with the application of the protective coatings, it is necessary to verify the condition of the cementitious substrate: verifying in clean and absent of oil traces, greases, delaminating particles, free from cracks and discontinuities. Continue with the preparation of the substrate choosing the best suited procedure accordingly:
- Elimination with proper equipment of the superficial dust when the substrate seems in good condition. Recommended are vacuum aspiration and/or watching with pressured water;
- Repair or level with cement based mortars or resin based materials, when the substrate has cracks or anomalies. In any case, work only on de-dusted and cohesive substrates;
- Sandblast or grinding in case of un-cohesive parts.

Avoid the application on substrates contaminated with oil and/or greases.

TECNOCHEM ITALIANA S.p.A.
24030 BARZANA (BERGAMO) ITALY – VIA SORTE 2/4,
TEL. **39 035 55.48.11 – TELEFAX **39 035 55.48.16
E-mail: info@tecnochem.it - www.tecnochem.it

APPLICATION

Make sure the room is well ventilated and follow the recommendations stated in the Material Safety Data Sheet on the use of PPE (Personal Protective Equipment).
Continue with the application of **Tecnopav EP 215**, in 2 layers as follows:
- poor component B in component A and mix for 2-3 minutes, or, as usual, till complete homogenisation of the mix, using a suited paddle mounted on a slow speed drill.
- apply by short hair roller, or in case of big areas, by airless spray.
- wait till drying of the film, than proceed with the second layer.

The anti-skid effect can be obtained by the dusting of dry quartz sand (max 0,1÷0,5 mm diameter), or with corundum, at a coverage of 2÷3 kg/m^2, directly on the first layer of Tecnopav EP 215, still wet.
Remove the day after the excess sand and clean with compressed air. Apply the second layer. In this case, the consumption will be slightly higher due to the roughness of the quartz.

IMPORTANT : when the temperature of the ambient and the substrate are less than 15°C, it is necessary to heat separately the 2 components of the product to a maximum temperature of 30°C (eventually en bain-marie) in order to maintain the low viscosity and the better applicability.

DO NOT APPLY AT TEMPERATURE LOWER THAN 10°C.

APPLICATION CONDITIONS

Temperature of substrate	: +10°C / +35°C
Humidity of substrate	: ≤ 4%
Ambient temperature	: +10°C / +35°C
Relative humidity ambient	: max 60%
Dew point	: the substrate and the product must be at a temperature of minimum 3°C above the dew-point to reduce the risk of condensation.

PACKAGING

✉ supply - *kg*

Component	a	b	a+b
pail	8	2	10

STORAGE

Store the original and unopened packaging at a temperature between + 5°C and + 35°C. Product can be kept 12 months from the production date.

TECNOCHEM ITALIANA S.p.A.
24030 BARZANA (BERGAMO) ITALY – VIA SORTE 2/4,
TEL. **39 035 55.48.11 – TELEFAX **39 035 55.48.16
E-mail: info@tecnochem.it - www.tecnochem.it

TECHNICAL CHARACTERISTICS

APPLICATIVE CHARACTERISTICS at 20 ± 2°C	Test method	Unit of measurement	Typical values
Stechiometric mixing ratio in weight	-	A : B	8:2
Dry residue	-	%	60±2
Consumption per layer	-	g/m^2	100÷150
Final dry thickness (per 150 g/m^2)	EN1062-1	µ	~ 50
Specific weight	EN ISO 2811-1	Kg/l	~ 1,40
Viscosity Brookfiled LV	EN ISO 3219	cP	2800±500
Pot life	EN ISO 9514	minutes	120±20
Workability time	EN ISO 9514	minutes	60±10
Touch dry	I – 54 (intern)	hours	~ 6
Completely hardened	-	days	7

PERFORMANCE CHARACTERISITICS	Test method	Unit of measurement	Typical values	Limit values according EN 1504-2
Adhesion direct pulling on concrete	EN 1542	N/mm^2 Type of failure	> 4 A = failure in concrete	≥ 2 (with traffic)
Capillary water absorption and permeability	EN 1062-3	$Kg/m^2xh^{0,5}$	0,0053	<0,1
Abrasion resistance (H22, 1000 cycles, load 1000g)	EN 5470-1	mg	979	<3000
Wear resistance	EN 6272-1	Nm	>10 (class II)	≥ 4 (class I) ≥ 10 (class II) ≥ 20 (class III)
Resistance to thermal shock	EN13687-5	N/mm^2 Type of failure	> 3 A = failure in concrete	≥ 2 (with traffic)

The above date are based on our actual and most experienced practical and laboratory knowledge and the results are collected from application of the product in different situations. Tecnochem Italiana does not assume any responsibility regarding inadequate or negative performance as a result of improper use of the product of for defects deriving from factors or elements other than the quality of the product including improper storage. The technical characteristics and performance mentioned in this datasheet are updated periodically . The revision dates and number of revision of the datasheets are listed in the table below . Eventual variations are traceable on our website www.tecnochem.it where the most updated datasheets can be retrieved.

TECNOCHEM ITALIANA S.p.A.
24030 BARZANA (BERGAMO) ITALY – VIA SORTE 2/4,
TEL. **39 035 55.48.11 – TELEFAX **39 035 55.48.16
E-mail: info@tecnochem.it - www.tecnochem.it