

Advanced
Pavement
Systems




Certified Quality System since **FEBRUARY 1993**


From Project to Jobsite

Finishing system for concrete floors


Tecnopav EP 900

PROTECTIVE COATING
PHYSICAL PROTECTION


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

General 


Epoxy-ammino two-components product, without fillers, solvent free, hardening at room temperatures.

Characteristics 

Easy application
Optimal adhesion
Excellent chemical resistance

use 

For applications in civil and industrial buildings, for the realisation of a transparent anti-dust floor coating with medium thickness (350 ÷ 550 micron).

Application 

Tools: short haired roller, wide hard brush (15mm) or by airless spray equipment, nozzle 18/ 21 and by spreading by roller.

Temperature of application : 10 ÷ 35 °C and relative humidity max. 60%

Clean tools with : solvent for epoxy coatings

METHOD OF USE

PREPARATION OF THE SUBSTRATE

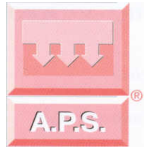
Prior the application of the protective coatings, it is necessary to verify the condition of the cementitious substrate: it must be clean and oil free, without fats, delaminating particles and free from cracks and discontinuities. The preparation of the substrate should be done choosing the proper following procedures:

- Elimination with proper equipment of the superficial dust when the substrate seems in good condition. Vacuuming and/or washing with pressured water is always recommended.
- Repair or level with cement based mortars or resin based materials, when the substrate has cracks or anomalies. In any case, apply the coating only on de-dusted and sound substrates;
- Sandblast or shotblast with steel abrasive grit is needed in case of not-cohesive parts.

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

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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).

After drying of the primer, continue with the application of **Tecnopav EP 900** as follows:

- Pour component B in component A and mix for 2-3 minutes, or till complete homogenisation of the mix, using a suited drill with whip.
- apply by short hair roller, or in case of big surfaces, by airless spray.
- wait till drying of the film, than proceed with the second layer.

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	: ≤ 3%
Ambient temperature	: +10°C / +35°C
Relative humidity	: 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

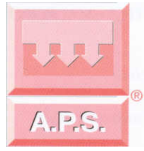
PACKAGING

☒ supply - kg

Component	a	b	a+b
pail	5	3	8

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.

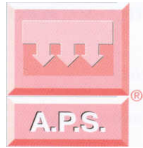


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TECHNICAL CHARACTERISTICS

APPLICATIVE CHARACTERISTICS at 20 ± 2 °C	Test method	Unit of measurement	Typical values	
Mixing ratio in weight	-	A : B	10:6	
Consumption per layer	-	g/m ²	200 ÷ 300	
Final dry thickness (per 200 g/m ²)	EN 1062 - 1	μ	~ 185	
Specific weight	EN ISO 2811-1	kg/l	~ 1,08	
Viscosity Brookfield LV	EN ISO 3219	cP	800 ± 150	
Pot life	EN ISO 9514	minutes	75 ± 10	
Total solid in weight	-	%	≈ 100	
Workability time	EN ISO 9514	minutes	45 ± 10	
Touch dry	I – 54 (internal)	hours	± 6	
Completely hardened	-	days	7	
PERFORMANCE CHARACTERISITICS	Test method	Unit of measurement	Typical values	Threshold values according EN 1504-2
Capillary water absorption and permeability	EN 1062-3	Kg/m ² x h ^{0,5}	0,001	<0,1
Adhesion direct pulling on concrete	EN 1542	N/mm ² Type of failure	> 5 A = failure in concrete	≥ 2 (with traffic)
Resistance to thermal shock	EN13687-5	N/mm ²	>4	≥ 2 (with traffic)
Shock resistance	EN ISO 6272-1	Nm	>10 (class II)	≥ 4 (class I) ≥ 10 (class II) ≥ 20 (class III)
Abrasion resistance (H22, 1000 cycles, load 1000g)	EN5470-1	mg	545	<3000

The above data 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 or 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.

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