

# POLISEAL AIRPORT

ELASTIC POURABLE SYSTEM  
WITH POLYURETHANE RESINS  
FOR THICKNESSES UP TO 3 CM



## DESCRIPTION

POLISEAL AIRPORT polyurethane formulation two-component (A+B), fluid, colored and free of solvents. Components are supplied predosed, to which part C can be added.

## FIELDS OF USE

Pourable resin specific for joints in all environments where thermal variations are possible or where flexible flooring is required for special service needs, such as:

- Floor slabs;
- Parking lots;
- Offices;
- Outdoor flooring also subject to wheeled traffic, including on asphalt aprons.

## PACKAGING

Comp. A = 1.5 kg bucket

Comp. B = 0.5 kg tin

ON REQUEST: comp. C = 10 kg bag

## CONSUMPTION

Circa 19 kg/m<sup>2</sup> per cm thickness

## MIXING RATIO

The mixing ratio by weight is:

Comp. A : B : C = 1.5 : 0.5 : 10

## FEATURES AND BENEFITS

- Elastic coating.
- Excellent resistance to thermal variations.
- Excellent resistance to traffic with rubberized wheels.
- Applicable from + 5 °C.
- Working temperature from - 30 to + 75 °C.

## CHEMICAL RESISTANCES

Excellent resistance to water, dilute bases, oils and hydrocarbons. Good resistance to dilute acids and solvents.

## CERTIFICATIONS

POLISEAL AIRPORT complies with

UNI EN 13813: materials for screeds (DoP No. 434).

ISO 9001 certified quality management system (Certificate No. IT.17.0227.01.QMS).

APSE S.r.l. is an active member of CONPAVIPER.



## SUBSTRATE PREPARATION

To achieve a good aesthetic and functional result, preparation of the substrate is essential, so the surface to be treated must be free of any pollutants, dry, consistent, and have a surface tear strength of at least 1.5 MPa. In any case, the old joint must be clean and devoid of debris.

## PRIMER APPLICATION

Prepare the area by applying APSEPRIMER NS 125 as primer by smoothing the surface, then sprinkling with 0.1÷0.3mm quartz.

## PRODUCT PREPARATION

POLISEAL AIRPORT is a two-component product to be mixed very thoroughly at the time of use. It is recommended to work in the following way: pour comp. B into comp. A then mix with drill at low speed. Then pour the mixed contents into another container, paying special attention to the transfer of all the product from the first container to the second, including that on the walls and bottom of the first container, then mix briefly again. In this way, perfect mixing is achieved, free of even the smallest amounts of unmixed product, which could compromise the aesthetics of the flooring.

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## APPLICATION METHOD

On the hardened primer, remove excess unanchored dusting, then apply by trowel POLISEAL AIRPORT in such quantity to obtain the desired thickness, taking care to repeatedly pass the bubble breaker roller as soon as the application is made.

VERNILUX POL finish can be applied after 12 hours minimum, 24 hours maximum. Depending on the type and intensity of traffic to which the joint is subjected, abrasion resistance can be increased by finishing the surface with anti-slip finishes additivated with suitable aggregates (consult technical service).

Apply the product at temperatures between +10°C and +30°C.

## CURING

The curing time of a layer of POLISEAL AIRPORT is affected by the ambient temperature.

Refer to the table below for drying and curing times (at 20°C).

Time of use of the mixture (A+B)	10 min.
Time to start setting	30 min.
Out of dust	1 hour
Walkability	1 hours
Trafficable	2 hours

## WARNINGS

- Do not apply on wet substrates;
- Do not apply if the adhesion primer has been cured for more than 24 hours;

## CLEANING EQUIPMENT

Equipment used for the preparation and application of POLISEAL AIRPORT must be cleaned immediately after use with DILUEPOL.

After the product has cured, removal may be done only mechanically.

## HEALTH AND SAFETY

For information on safety regulations, hazard statements and precautionary advice, rely on the most recent MSDS by making a request to: [ufficiotecnico@apsebg.it](mailto:ufficiotecnico@apsebg.it)

## STORAGE

Shelf life of more than 12 months when stored in original packaging in a dry, moisture-free place. Store at temperatures between +5°C and +30°C.

## DISPOSAL

Dispose of contents and/or container in accordance with local regulations

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## PRODUCT TECHNICAL DATA PHYSICAL DATA (at +20°C)

FEATURES	STANDARD	RESULT		
		COMP. A	COMP. B	COMP. C
Appearance	-	Liquid	Fluid	Powder
Color	-	Colored	Dark transparent	Grey
Dry residue		100%	100%	100%
Specific gravity	EN ISO 2811-1	1,35 g/cm <sup>3</sup>	1,01 g/cm <sup>3</sup>	-
Viscosity	EN 8490	3000 cps	250 cps	-

## PHYSICAL CHARACTERISTICS OF THE MIXTURE (at +20°C)

FEATURES	STANDARD	RESULT
Color	-	Colored
Mixture consistency	-	Dense
Mixture specific weight (A+B)	EN ISO 2811-1	1,90 g/cm <sup>3</sup>

## PRODUCT PERFORMANCE ACCORDING TO UNI EN 13813 STANDARD

FEATURES	STANDARD	RESULT
Flexural strength	EN ISO 178	25 N/mm <sup>2</sup>
Wear resistance BCA	EN 13892-4	10 µm
Impact resistance	EN ISO 6272	≥ 20 N.m
Adhesion strength (with primer)	EN 13892-8	> 3,1 N/mm <sup>2</sup>
Fire reaction	EN 13501-1	F <sub>fl</sub>

## PRODUCT PERFORMANCE IN OPERATION

FEATURES	STANDARD	RESULT
SHORE D hardness	EN 868	80
TABER abrasion resistance	DIN 52108	70 mg

The above data are information obtained based on our best technical knowledge, application, and research experience. However, since we are unable to intervene directly in site conditions and work execution, they represent general indications that do not bind APSE S.r.l. in any way. - V&V Group. The information given does not relieve the purchaser of his responsibility to personally test our products as to their suitability with regard to their intended use. The customer is also responsible for verifying that this data sheet is valid for the batch of product of interest to him and is not outdated as superseded by later editions. If in doubt, contact our Technical Department in advance. APSE S.r.l. - V&V Group reserves the right to make technical changes of any kind without prior notice. This revision cancels and supersedes all previous ones, all under the continuous verification of data according to the new current Standards and our ISO 9001 management system.

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