



DESCRIPTION

APSEFLOOR GIUNTI RAPIDO three-component epoxy formulation (A+B+C), fast-curing (at 20°C driveable in 6 to 8 hours) for repairing and restoring cracks, crevices, contraction joints of degraded and corroded industrial floors, with thicknesses from 3 to 5 mm. Components are supplied pre-dosed.

FIELDS OF USE.

It is suitable for reconstructing deteriorated joints in flooring even in large thicknesses where commissioning is required as quickly as possible. APSEFLOOR GIUNTI RAPIDO is used in the industrial sector for the following applications:

- For the repair and surface restoration of degraded and corroded pavements;
- For volumetric recovery of potholes and cracks;
- In general, it is applied in all those cases where quick maintenance is needed, such as: flooring for ramps, docks, industrial warehouses, storage facilities, chemical plants, food industries, etc.

PACKAGING

The product is available in the following packages:

A + B + C = 2.5 + 0.75 + 20 kg

Or:

A + B + C = 1.2 + 0.36 + 9.6 kg

CONSUMPTION

1. Primer (A+B)

0.3-0.4 kg/m²

2. Reconstruction mortar (A+B+C)

About 20 kg/m² per centimeter thickness

MIXING RATIO

A + B + C = 2.5 - 0.75 - 20 kg

CERTIFICATIONS

APSEFLOOR GIUNTI RAPIDO complies with UNI EN 13813: materials for screeds (DoP No. 443). ISO 9001 certified quality management system (Certificate No. IT.17.0227.01.QMS).



FEATURES AND ADVANTAGES

APSEFLOOR GIUNTI RAPIDO has the following characteristics:

- Absence of odor;
- Shrinkage-free coatings;
- High chemical-mechanical properties;
- Excellent adhesion to traditional building materials;
- High resistance to heavy traffic;
- Short initial curing times;
- Minimal interference with normal factory operations;
- Excellent workability;
- Excellent resistance to puncturing;
- Overhead restorations with even sloping joints.

SUBSTRATE PREPARATION

Surfaces must be clean, free of dust, oil, grease, friable parts, paint residues and in any case anything that could harm adhesion. Any metal substrates in the affected areas must be free of rust, rolling slag and other impurities. To this end, we recommend intervening with vigorous brushing and a suitable primer.

PRODUCT PREPARATION.

Pour component B (catalyst) into component A (resin) and mix with drill at low speed to avoid air inglobes. Gradually add component C (inert) under agitation until a homogeneous, lump-free product is obtained.



METHOD OF APPLICATION

APSEFLOOR GIUNTI RAPIDO can be used as a primer and as a reconstruction mortar.

1. Primer (A+B)

Mix only A+B and spread evenly with the medium-pile roller APSEFLOOR GIUNTI RAPIDO.

2. Reconstruction mortar (A+B+C)

- Mix the three components in the doses prepared in the packages, mix very well and pour onto the surface to be rebuilt;

- Before the primer hardens, apply the reconstruction mortar, in the prescribed thickness, consisting of APSEFLOOR GIUNTI RAPIDO (A + B + C);

- Work and smooth the mortar with trowel.

Smooth flush

- After hardening, saturate the surface with APSEFLOOR GIUNTI RAPIDO (A+B) and with color paste if provided.

- Apply the specific finish, for example: EPOX AC, APSELIV 30, VERNILUX POL (see data sheets).

APSEFLOOR GIUNTI RAPIDO should be applied at a temperature between +5°C and +23°C.

CURING

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

Mix workability time (A+B)	10 minutes
Mortar workability time (A+B+C)	15 minutes
Setting start time	60 minutes
Out of dust	2 hours
Walkability	4 hours
Hardening by forklift transit	8-12 hours for joist joints

CLEANING OF TOOLS

Equipment used for the preparation and application of APSEFLOOR GIUNTI RAPIDO should be cleaned immediately after use with DILUEPOX. After the product has cured, removal can only be done mechanically.

WARNINGS

- All formulations must be mixed thoroughly before proceeding to the various application steps;

- Hand-mixing is not permitted; improper mixing will result in incomplete curing of the coating;

- Take care to mix thoroughly by mixing at low speed in order to obtain a homogeneous color mixture, removing the product with the help of a spatula/knife from the walls/bottom of the pot in order to keep the catalysis ratios unchanged;

- For the colored version, it is recommended to use the complete packages;

- In the event that it is necessary to divide the packages, take care to mix well all the colored component to disperse the pigments evenly. With the help of a precision balance, then divide the components paying scrupulous attention to the weight ratio in order to keep the catalysis ratios of the individual elements unchanged so as not to incur poor performance;

- The System is not self-supporting according to UNI10966, but conditioned by the substrate; specimens made not in film but according to UNI EN 13892-2;

- Transparent product, yellowing is possible if the product is subjected to U.V.

HEALTH AND SAFETY

For information on safety regulations, hazard statements and precautionary advice, rely on the latest MSDS by making a request to:

ufficiotecnico@apsebg.it

STORAGE

Shelf life of 12 months when stored in original packaging in a cool, moisture-free place.

Store at temperatures between +5°C and +35°C. Protect against frost.

DISPOSAL

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



PRODUCT TECHNICAL DATA

PHYSICAL CHARACTERISTICS (at +20°C)

CHARACTERISTIC	REGULATION	RESULT		
		COMP. A	COMP. B	COMP. C
Appearance	-	Fluid	Fluid	Powder
Color	-	Transparent	Transparent	Gray
Dry residue	-	100%	100%	100%
Specific gravity	EN ISO 2811-1	1.12 g/cm ³	0.99 g/cm ³	1,80
Viscosity	EN 8490	900 cps	250 cps	-

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

FEATURE	REGULATION	RESULT
Color of the mixture	-	Grey
Consistency of the mixture	-	Dense
Specific gravity	EN ISO 2811-1	1,75 g/cm ³

PRODUCT PERFORMANCE ACCORDING TO EN 13813 STANDARD

FEATURE	REGULATION	RESULT
BCA wear resistance	EN 13892-4	10µm
Bond strength (with primer)	EN 13892-8	3,1 N/mm ²
Impact resistance	EN ISO 6272	20 N.m
Compressive strength	EN 13892-2	≥ 82 N/mm ²
Flexural strength	EN 13892-2	≥ 54 N/mm ²

PRODUCT PERFORMANCE IN OPERATION

CHARACTERISTIC	REGULATION	RESULT
Tensile strength	ASTM D 638	30 N/mm ²
Abrasion resistance Taber abrasion test (1,000 cycles /1,000 g, grinding wheel CS 17) expressed as weight loss:	EN ISO 5470-1	80 mg
Surface hardness (shore D)	EN ISO 868	80

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. Please be sure to check the most up-to-date version of this Data Sheet on our website: www.apse.it

