



DESCRIPTION

EPOSEAL-TIX is a two-component sealant particularly suitable for sealing joints.

EPOSEAL-TIX cures through a chemical reaction between the two components, transforming within a few hours into a perfectly compact, elastic mass.

FIELDS OF APPLICATION

Filling and sealing of:

- Expansion joints in industrial floors;
- Flanges and collars bonded to masonry;
- Perimeter metal flashings for roofs and roof coverings;
- Sealing between metal structures and gaskets in general;
- Joints in ventilated facades subject to minor movement.

BONDING MATERIALS

EPOSEAL-TIX, when used with PAVINRESIN MONO primer, ensures excellent adhesion to a wide range of materials:

- raw steel, galvanised steel, stainless steel, aluminium;
- wood;
- cementitious substrates;
- synthetic resins;
- plastic and rubber;
- building materials in general.

PACKAGING

Comp. A 9 Kg tin

Comp. B 1,5 Kg tin

EPOSEAL-TIX POURABLE: add 5% DILUEPOX

CONSUMPTION

ca. 60-80 gr/m

MIXING RATIO

The mixing ratio by weight is:

Comp. A : B = 6 : 1

FEATURES AND BENEFITS

- Permanent elasticity;
- Good surface hardness;
- High tear resistance;
- Resistance to cut propagation in the event of a cut or expansion;
- No streaks or stains in the areas adjacent to the seal;
- Overpaintable.

CERTIFICATIONS

EPOSEAL-TIX complies with the minimum requirements set out in EN 15651-4: Sealants for pedestrian walkways. 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

Preparation is the most critical part of sealing a joint; at this stage, it is essential to carry out the basic steps described below with the utmost care.

Cleaning

Proper cleaning of the joint requires mechanical or manual brushing, or sandblasting, grinding or, in some cases, the use of a concrete milling machine to level the joint surface. The surfaces must be solid, clean and free from any traces of concrete, oil, water-repellent coatings or white lead. If old sealant is present in the joint and its removal proves excessively difficult, a self-levelling sealing system may be used.

Protecting the joint edges

If there are any cracks or voids along the edges, these should be repaired using cementitious mortars such as ANCOR 10 – RASEX – ANCORTOP; or, better still, epoxy mortars such as APSEFLOOR GIUNTI RAPIDO. Apply a strip of adhesive paper tape along the edges of the joint, taking care not to place it inside the joint. Extrude the sealant and remove the tape before the sealant begins to set.



Insertion of the separating layer

The use of a cord or a non-stick separating tape is recommended for two reasons: to ensure the correct depth of the sealant and to prevent it from adhering to the bottom of the joint, thereby preventing any water from rising. To achieve a depth appropriate to the width during installation, position the foam cord at a depth equal to the width of the joint for gaps of up to 12–15 mm; in all other cases, the depth must be half the width, but never less than 10 mm.

Priming

Primers are used to improve the sealant's adhesion to the joint edges. In order to avoid causing permanent staining to the surface around the joint, apply the primer only after masking the joint area. The primer should be applied only to joints that are to be covered on the same working day.

PRODUCT PREPARATION

Two-component product that must be mixed thoroughly immediately before use. Pour component B into component A, then mix using a drill at low speed until a homogeneous mixture is obtained.

METHOD OF APPLICATION

Pour the product into the joint that has been prepared as described in the section "PREPARATION OF THE SURFACE".

Smooth EPOSEAL-TIX using a small trowel. This step removes any ripples, voids or bubbles that may have formed during the application of the sealant. Carry out the smoothing process before the sealant begins to cure, to avoid adhesion defects, colour changes and other issues.

CURING

For drying and curing times (at 20°C), please refer to the table below.

Dust-free	4 hours
Walkable (3 mm thick)	12-20 hours

WARNINGS

Minimum and maximum application temperatures: the ideal time to apply the sealant is during the transitional seasons.

Sealing in winter temperatures (when the joint is fully open) subjects the sealant to high compressive stresses.

Conversely, during the summer, sealing at high temperatures (with the joint fully closed) leads to tensile stresses during the winter.

CLEANING OF TOOLS

Equipment used for the application of EPOSEAL-TIX should be cleaned immediately after use with DILUEPOX solvent.

HEALTH AND SAFETY

For information on safety regulations, hazard warnings and safety advice, please refer to the latest safety data sheet, which can be requested at:

ufficiotecnico@apsebg.it

STORAGE

Shelf life over 12 months if stored in sealed containers in a cool, dry place at temperatures between +5°C and +35°C

DISPOSAL

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

**PRODUCT TECHNICAL DATA****PHYSICAL CHARACTERISTICS OF THE MIXTURE (at +20°C)**

CHARACTERISTICS	STANDARD	RESULT
Color	-	Grey
Consistency of the mixture	-	Paste
Specific gravity of the mixture	EN ISO 2811-1	1,40 ± 0,05 g/cm ³

PRODUCT PERFORMANCE IN USE

CHARACTERISTICS	STANDARD	RESULT
Shore A hardness	DIN 53504	70
Elongation at break	DIN 53504	380%
Tensile strength	DIN 53504	20 kg/cm ²
Expected elongation and contraction during service	ISO 8339	Max 150%
Operating temperature	-	-30°C to +50°C
Weather resistance	-	Excellent

CHEMICAL RESISTANCE

CHARACTERISTICS	STANDARD	RESULT
Continuous immersion for 50 days in the following liquids: <ul style="list-style-type: none"> • 10% hydrochloric acid • 20% sulphuric acid • 20% acetic acid • 10% lactic acid • 10% oleic acid • 10% formic acid • 10% citric acid • 20% Caustic soda • 50% Calcium hypochlorite solution • 10% Ammonia • 10% Hydrogen peroxide • 30% Formaldehyde • 40% Naphtha • 40% Diesel • 40% Petrol • 40% Xylene • 40% Methyl isobutyl ketone • 40% Ethyl alcohol 	EN 13529	EPOSEAL TIX remains completely unaffected.
For other substances that may occasionally come into contact with EPOSEAL-TIX, please contact our Technical Support Team.		

The data given above are information obtained from 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 any previous revision, all under the continuous verification of the data according to the new current Standards and our ISO 9001 management system. Please feel free to check the most up-to-date version of this Data Sheet on our website: www.apse.it

