

TECHNICAL SHEET
PATCHING COMPOUND
2-COMPONENT EPOXY
PE700905

DESCRIPTION

Packaging: 425 ml
Comp. A – 275 ml
Comp. B – 150 ml

Passeport Élite Patching Compound is a two-component, flexible epoxy designed for concrete cracks up to 1 cm (3/8 in.) wide. Thanks to an elevated solids content, this high-performance material dries without loss of volume and protects against damage caused by water and freeze–thaw cycles. This low-odour epoxy is easy to apply. It adheres to the walls of the cracks yet remains flexible enough to move with the concrete.

ADVANTAGES

- Contains no solvent with a very low VOC content, allowing for interior applications without harmful odours
- Ideal for easy cleaning of the floor-wall junction
- Superior compression force
- Can be used on large vertical surfaces
- Waterproof and seamless
- Dense surface resistant to bacteria and moisture and easy to clean
- Excellent adhesive properties, allowing for application on a wide variety of substrates
- May apply several layers on itself with excellent adhesion

SURFACE PREPARATION

The surface to be coated must be well primed. Remove dust, laitance, grease, oils, dirt, impregnating agents, waxes, foreign matter, any previous coatings, and disintegrated substances by mechanical means such as shot-blasting (BLASTRAC) or any other approved method to obtain an ICRI-CSP 3-4 profile. The compressive strength of the concrete must be at least 25 MPa (3625 lbs/in²) after 28 days and the tensile strength at least 1.5 MPa (218 lbs/in²).

MIXING

1. Mix the resin (Comp. A) perfectly before pouring the hardener (Comp. B) according to the indicated mixing ratio. Depending on product amount and size of mixing equipment, mix for 1 to 3 minutes at low speed (300 to 450 rpm).
2. During mixing, scrape the walls and bottom of the container at least once with a trowel to obtain a homogeneous mixture.
3. Immediately apply on prepared surface.
4. As the pot life is limited, prepare amount of desired product as required in order to avoid any loss.

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APPLICATION

Cracks, saw cuts, small holes, masonry block joints, etc.

Use a trowel, spatula or other suitable equipment evenly spread the crack filler.

Floor-wall junction, ceiling-wall junction or corner wall

Use a spatula spread a quantity of material (bead) and shape the bead with a round trowel spoon at the floor-wall junction. Do not leave any excess material to avoid sanding (very difficult to sand).

CLEANING

Clean all application equipment with xylene. Once the product has hardened, it can only be removed by mechanical means. In case of skin contact, wash thoroughly with warm soapy water.

RESTRICTIONS

- The product must be conditioned at a temperature between 18°C (65°F) and 30°C (86°F)
- Do not apply at temperatures below 10°C (50°F) or above 30°C (86°F)
- The relative humidity of the surrounding work environment during the application of the coating and throughout the curing process should not exceed 85%
- Substrate temperature must be 3°C (5.5°F) above dew point measured
- Humidity content of substrate must be inferior to 4% when coating is applied
- Do not apply on porous surfaces where a transfer of humidity may occur during the application
- The application of this coating on an interior or exterior substrate without a moisture barrier is at risk of detachment (by hydrostatic pressure).
- Protect the coating from all sources of moisture for a period of 48 hours
- Surface may discolour in areas exposed to regular ultraviolet light

FIRST AID TREATMENT

In case of skin contact, wash with water and soap. In case of eye contact, immediately rinse with water for at least 15 minutes. Consult with a doctor. For respiratory problems, transport victim to fresh air. Remove contaminated clothes and clean before reuse. Components A and B contain toxic ingredients. Prolonged contact of this product with the skin is susceptible to provoke an irritation. Avoid eye contact. Contact with may cause serious burns. Avoid breathing vapours release from this product. This product is a strong sensitizer. Wear safety glasses and chemical resistant gloves. A breathing apparatus filtering organic vapours approved by the NIOSH/MSHA is recommended. Predict suitable ventilation.

Consult the material safety data sheet for further information.

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TECHNICAL DATA

Yield for cracks 1/8 in x 1/8 in*	Approximately 1100 linear feet per gallon
Yield for junction between wall and floor with 1 in radius*	Approximately 38 linear feet per gallon
Mix ratio by volume	A : B = 2 : 1
Colour	Comp. A – Creamy white Comp. B – Creamy white
Shelf life	12 months in original unopened factory sealed containers. Keep away from extreme cold, heat, or moisture. Keep out of direct sunlight and away from fire hazards.
Pot life (150g)	35-45 minutes at 25°C
VOC (g/litre)	105.41
Solids by weight %	100%
Recommended Thinner	Xylene
Density (kg/litre)	Comp. A – 1.15-1.17 Comp. B – 1.02-1.03 Mixture – 1.11-1.12
Substrate temperature	Comp. A – 10°C Comp. B – 20°C Mixture – 30°C

* Please note that the indicated mileage is calculated for flat surfaces. A porous or imperfect surface will require more material in order to cover the same mileage.

Note: Times and data mentioned are based on laboratory conditions. Field results may vary and will be affected by changing ambient conditions, especially changes in temperature and relative humidity.

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PROPERTIES AT 23°C (73°F) – 50% R.H.

Tensile strength (psi) ASTM D638	6500-7500
Compressive strength ASTM D695	8000-9000
Elongation (%) ASTM D638	2%
Viscosity at 25°C (cps)	Comp. A – 110000-120000 Comp. B – 275000-300000

IMPORTANT NOTICE

The information and recommendations contained in this document are based on reliable test results according to Passeport Élite. The data mentioned are specific to the material indicated. If used in combination with other materials, the results may be different. It is the responsibility of the user to validate the information therein and to test the product before using it. Passeport Élite assumes no legal responsibility for the results obtained in such cases. Passeport Élite assumes no legal responsibility for any direct, indirect, consequential, economic or any other damages except to replace the product or to reimbursement the purchase price, as set out in the purchase contract.