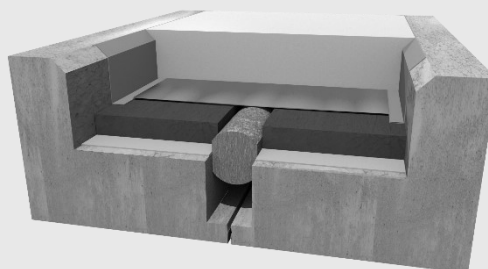




EUROTEAM

EPH 0403

Elastic 2-component potting compound based on epoxy resin hybrid, solvent-free, pourable



PRODUCT DESCRIPTION

EPH 0403 is a 2-component, flexible and solvent-free self-leveling epoxy resin hybrid-based casting compound for interior use with very low joint movement due to stable ambient temperatures.

SCOPE

for sealing mechanically highly stressed component and connection joints in pedestrian and vehicular traffic areas such as e.g.: forklift routes, gate passages, hall transitions, Loading ramps with critical joint transition designs, Joints driven over with excess width.

Not suitable for unheated underground garages with strong temperature fluctuations.

PRODUCT FEATURES

- very high impact resistance
- high notch strength
- flexible
- mechanically resilient
- solvent-free
- low shrinkage
- self-leveling
- very good adhesion to concrete and problematic substrates
- partially repairable
- comparatively small exothermic reaction
- high flowability
- fast curing
- Good chemical resistance (to oils, dilute acids, alkalis, salt solutions and various solvents)

COLORS

Grey, other colors available upon request

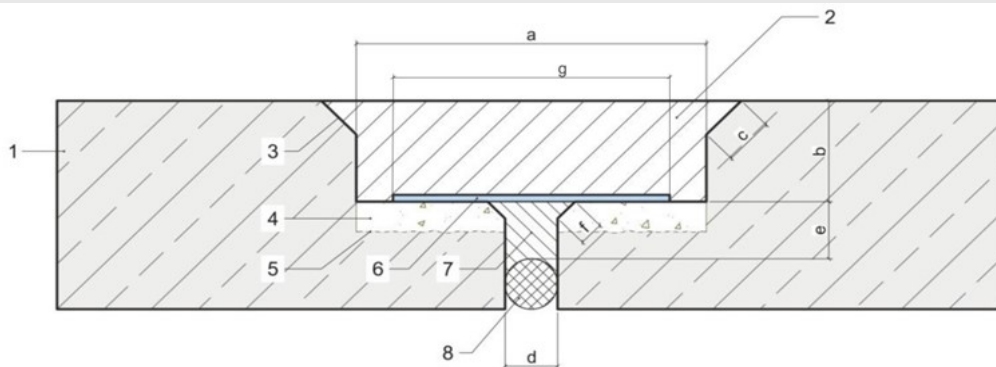


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SUBSTRATE PREPARATION	The substrate must be prepared accordingly. The pouring areas must be tightly and firmly sealed/backfilled at all points to prevent uncontrolled runoff of the material from the pouring chamber.
PRIMER	The bonding surfaces of absorbent substrates such as concrete are coated with EUROPOX Pretreat 0100 .
PROCESSING	<p>EPH 0403 is supplied in the correctly balanced ratio of component A and component B. Both components must be added together completely and thoroughly mixed for at least 3–5 minutes using a slow-running agitator at approximately 300 rpm. The mixing process must continue until a homogeneous, streak-free consistency is achieved, then the mixture should be transferred to another container and briefly stirred again. The temperature should be between +5°C and +25°C. The mixture can be poured directly from the container into the prepared areas or filled into a caulking gun. Then process/pour immediately, as the reaction begins instantly.</p> <p>Revisability: EPH 0403 can be used for partial repairs. It is important to ensure that the material to be repaired is already cured, clean, and free of any separating substances (oils, greases, etc.). The sealant must be installed slightly raised and, after hardening, ground flat with a diamond cup wheel. This creates a seamless and level joint construction that can be driven over.</p> <p>Furthermore, the grinding process breaks down the surface/stress of the hardened EPH 0403 potting compound in order to exploit the maximum movement absorption of the material.</p> <p>Therefore, grinding down the hardened material is necessary in every case.</p>



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Description:

- 1 Concrete
- 2 Casting compound: EPH 0403
- 3 Primers: EUROPOX 0100
- 4 Mortars: EUROREPAIR PC 96 (Reprofiling if required)
- 5 Primers: EUROREPAIR HG 96 (if needed)
- 6 Separating tape: EUROTAPE (aluminium-laminated)
- 7 Joint sealant: EUROLASTIC Pro M 40 (or equivalent, if required and for irregular joint edges where leakage of the PE round cord is to be feared)
- 8 Backfill material: PE round cord (closed cell)

Mass		
variable	Description	Mass
a	Wide potting compound	Minimum 100 mm
b	Deep encapsulation	Minimum 25-30 mm
c	45° chamfer	10 mm
d	Wide joint (of the joint chamber below)	Max. 30 mm
e	Deep joint	Max. 30 mm
f	45° chamfer	5 mm
G	Separation tape width	80% of the installation width

CLEANING	The tools can be cleaned with EUROLASTIC Cleaner G from Fresh material can be cleaned. Once reacted, it can only be cleaned mechanically.
CONSUMPTION	Approximately 1.5 kg per 1.0 liter volume
PACKAGING	EPH 0403 is available in 1 kg, 6 kg and Supplied in 10 kg containers. Components A and B are packaged separately.



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STORAGE AND SHELF LIFE

Store in a cool, dry place (+10°C to +25°C). Under these conditions, the shelf life in the unopened and undamaged original container is [insert shelf life here].
12 months.

**SPECIAL
INSTRUCTIONS/PROTECTIVE
MEASURES**

EPH 0403 should only be applied in well-ventilated areas. Appropriate protective equipment must be worn during work. Waste and containers must be disposed of safely. Avoid release to the environment. Empty containers can be returned to the KBS/Interseroh recycling system. The instructions in the corresponding safety data sheet must be strictly observed.



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TECHNICAL DATA *

TECHNICAL SPECIFICATIONS	UNIT	VALUE
Raw material base		Epoxy resin hybrid
Mixing ratio A : B	Weight.- T.	100 : 13.7
Number of components		2-component
Density at +23°C/50% RH.	g/cm ³	1.47
viscosity	Pa.s	5 – 10
Processing time at +23°C/50% r.LF.	min	approximately 20 to 40
time at +23°C/50% r.l.h.	h	approx. 24 (7 days for a full day)
Can be reworked at +23°C/50% RH.	h	approximately 24
Temperature resistance	°C °C	min. 0 max. +100
Component temperature	°C °C	min. +5 max. +35
MECHANICAL PROPERTIES	UNIT	VALUE
Shore A hardness		approximately 80 to 90
Shore D hardness		approximately 30 to 40

*These figures are guidelines only. They are not intended for creating specifications.

The data were obtained at +23°C and 50% relative humidity. Higher temperatures and/or higher relative humidity may shorten or lengthen these times. All technical data, dimensions, and information in this datasheet are based on laboratory tests. Actual measured data may differ in practice.

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