

# EPOXY PUTTY



Repair epoxy putty of 2 component



## PROPERTIES

Two-component, and solvent-free, multipurpose epoxy putty. Its powerful adhesion, excellent workability, and thixotropy make it necessary for use on absorbent or smooth substrates, before their lining, coating, or painting. Seals capillary cracks, but also larger gaps on concrete surfaces, without shrinking, cracking, or sagging when applied on vertical surfaces.

Its use yields a smooth finish with high resistance to mechanical stress and loads as well as chemical wear.

Classified as a structural bonding product for existing concrete structures per EN 1504-4, and RG per EN 13888.

## APPLICATIONS

EPOXY PUTTY is suitable for a number of repairs, sealing and smoothing applications on concrete surfaces, cement screed and mortar, cement board, etc. Ideal for interior and exterior applications, where it is necessary to repair and restore damage (sealing, spackling), but also for smoothing surfaces before applying the floor paint system POLYUREA FLOOR COATING, and the epoxy paint systems DUROEPOXY (sol-

vent-based) and DUROEPOXY FLOOR SF (solvent-free) on floors, industrial floors, swimming pools, showers, fountains, and cisterns. The product is also used for the coating of surfaces (increases bonding strength and durability) before the application of the quartz aggregate mixture QUARTZ DECO (grain size between 0.7-8mm) with the epoxy resin QUARTZ DECO EPOXY on walls, stairs and pools. Its use is especially necessary for gain sizes of 2mm and above.

## USE

### 1. Surface preparation

Application surfaces must be free of loose sections, dust, oils and moisture.

### 2. Application preparation

In a clean container, mix equal amounts of components A and B, mixing well, until the mixture is completely homogenous.

### 3. Application

Apply the mixture using a taping knife to achieve a very smooth finish, especially when the putty application is followed by the coating with epoxy or polyurea based paints.

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## NOTES

- Epoxy systems are sensitive to ambient temperature and humidity, until their final cure. Pot life is reduced with increased ambient temperatures. Dull or discolored spots appear on the surface and curing time increases at high humidity conditions.
- After mixing the two components, the mixture temperature increases.

## CLEANING

Clean all application tools with THINNER 201 of DUROSTICK, immediately after use.

## CONSUMPTION

**As preparation coating for QUARTZ DECO:** 0.6-0.8kg/m<sup>2</sup>.

**As repair putty:** 1.5-1.8 kg/m<sup>2</sup>/mm thick coat.

## STORAGE

Keep in its factory sealed containers, in dry and shaded places, for 24 months from production date.

## SAFETY DIRECTIONS

The product needs no hazard labeling under current European and National legislation. However, it is recommended to keep away from the reach of children. If swallowed, seek immediate medical advice and show the container or label.

## PACKAGING

- Paper box set of 6 2,5kg (A: 1250gr, B: 1250gr)
- Container 10kg (A: 5kg, B: 5kg) (special order)

## DUROSTICK S.A.

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## TECHNICAL SPECIFICATIONS

	A' COMPONENT	B' COMPONENT
<b>Form</b>	Thixotropic paste	Thixotropic paste
<b>Color</b>	Dark beige	Honey
<b>Color (A+B)</b>	Beige	
<b>Density</b>	1.60±0.05kg/lt	1.40±0.05kg/lt
<b>Mixing ratio A:B</b>	1:1 by weight	
<b>Pot life</b>	2 hours at 25°C	
<b>Final strength</b>	After 7 days	
<b>Moisture resistance</b>	Excellent	
<b>Waterproofing ability</b>	Excellent	
<b>Resistance to organic solvents</b>	Excellent	
<b>Resistance to diluted acids and alkalis</b>	Very good	
<b>Shrinkage</b>	Zero	
<b>Application temperature</b>	From +8°C up to +30°C	
<b>Temperature resistance</b>	From -25°C up to +110°C	

## PRODUCT PERFORMANCES

### Flexural strength, per EN 196-1

**flexion** 32.50 N/mm<sup>2</sup>

### Compressive strength per EN 12190

**compression** 60.00 N/mm<sup>2</sup>

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<b>CE</b>	
<b>DUROSTICK S.A.</b> ASPROPYRGOS ATHENS PC:193 00 <b>GREECE 21</b>	
<b>EN 1504-4</b> <b>EPOXY PUTTY</b> DoP No.: 161	
Structural bonding product for bonded mortar or concrete for uses with low performance requirements in buildings and civil engineering works	
Adhesion:	Fracture to concrete
Shear strength:	6 N/mm <sup>2</sup>
Compressive strength:	30 N/mm <sup>2</sup>
Shrinkage:	0,1%
Workability:	120 minutes at 25 °C
Sensitive to water:	Pass
Modulus of elasticity:	2000 N/mm <sup>2</sup>
Coefficient of thermal expansion:	100 X 10 <sup>-6</sup> per K
Glass transition temperature:	40 °C
Reaction to fire:	Euroclass E
Durability:	Pass
Dangerous substances :	comply with 5.4

The technical specifications and directions of use contained in this technical brochure are the results of the knowledge and experience of the company's research and development department, as well as from the real-life applications of the product. The recommendations and suggestions regarding the use of the products are made without guarantee since the respective conditions during their application are beyond the control of the company. For this reason, it is the user's responsibility to make sure that the product is suitable for the intended application as well as the application conditions of the project.