

# REPARATUR GLET

*Cement-based repair and levelling compound, used for final skimming of concrete and repaired concrete surfaces.*

*In compliance with EN 1504-3*

## FIELD OF APPLICATION

For final treatment and fine leveling (skimming) of repaired concrete surfaces repaired with Reparatur malter F, external rendered surfaces or surfaces made of fair-faced concrete.

## PROPERTIES

- High strength characteristics (*In compliance with EN 1504-3, Class R3*);
- High adhesion to concrete substrate (*In compliance with EN 1504-3, Class R3*);
- Resistant to atmospheric influences and ice;
- Good strength and elasticity;
- Easy for preparation and application;
- Economical;

## TECHNICAL FEATURES

Property	Method	Measured values	Declared values
Appearance	-	Grey powder	Grey powder
Water/material ratio	-	0,26	0.26 - 0.28
Specific density	EN 12190	1870 kg/m <sup>3</sup>	(1850±90) kg/m <sup>3</sup>
Open workability time at 20°	-	-	30 min
Adhesive bond	EN 1542	≥3,0 MPa	≥1,5 MPa
Setting time			
Start of setting	EN 13294	04:05	(3÷5)h
End of setting		06:53	(6÷8)h
Compressive strength			
after 7 days	EN 12190	23 MPa	
after 28 days		34 MPa	≥25 MPa
Flexural strength			
after 7 days	EN 12190	7 MPa	≥ 5 MPa
after 28 days		8 MPa	≥ 6 MPa
Elasticity modulus	EN 13412	17,7 GPa	≥15 GPa
Restrained shrinkage/expansion	EN 12617-4	≥3,0 Mpa	≥1,5 MPa
Thermal compatibility: Adhesion after exposure to 50 cycles of Freeze-thaw with de-icing salt immersion	EN 13687-1	≥3,0 Mpa	≥1,5 MPa
Capillary absorption	EN 13057	0,1786 kg ·m <sup>-2</sup> ·h <sup>-0.5</sup>	≤ 0,5 kg ·m <sup>-2</sup> ·h <sup>-0.5</sup>

## DOSAGE AND PERFORMANCE:

The substrate made of concrete, repaired concrete or cement mortar should be clean, grease-free, dust-free and without unstable parts. Before applying Reparatur Glet, the substrate should be saturated with water. If the concrete/mortar substrate is not firm enough or it is highly porous, prior to the application of Reparatur Glet, it should be impregnated with acrylic pre-coating Vrska U diluted with water (ratio Vrska U : Water = 1 : 3).

## APPLICATION

Reparatur Glet is prepared by adding water and gradually mixing until a completely uniform mixture is obtained. The mixing ratio is 1.0 kg Reparatur Glet and 0.26 to 0.28 kg water. The mixture should be allowed to stay still for approximately 5 minutes. Afterwards it should be stirred again and applied by using a scraper or trowel. The material can be applied in several layers after the previous layer has already hardened (after 12 to 24 hours depending on the temperature). The temperature during application should be between 10°C and 35°C. Surfaces treated with Reparatur Glet should be protected from rain, strong draught, and freezing for a period of 24 hours following the application. Workability time is approximately 30 minutes.

## CONSUMPTION

For layer with thickness of 1.0 cm consumption is 1,4 -1,6 kg/m<sup>2</sup> .

## CLEANING

Tools and equipment are cleaned with water immediately after their use.


## PACKAGING

Bags 18 kg.

## STORAGE

In original closed packing, in dry premises at temperature between 5 and 35 °C. Shelf life: 12 months.

## CE MARKING

 2032	
<b>ADING AD Skopje</b> <b>Novoselski pat (street 1409) No.11, 1060</b> <b>Skopje, Republic of North Macedonia</b> <b>17</b> <b>GCBH001/7</b> <b>EN 1504-3:2005</b> <b>REPARATUR GLET</b> <b>Concrete repair product for non-structural repair PCC mortar (based on hydraulic cement)</b>	
<b>Compressive strength:</b>	<b>≥ 25 MPa</b>
<b>Chloride ion content:</b>	<b>≤ 0.05%</b>
<b>Adhesive bond:</b>	<b>≥ 1,5 MPa</b>
<b>Thermal compatibility, part 1:</b>	<b>≥ 1,5 MPa</b>
<b>Capillary absorption:</b>	<b>≤ 0,5 kg*m-2-*h-0.5</b>
<b>Reaction to fire:</b>	<b>Euroclass A1</b>

**Health hazards:** Reparatur Glet does not contain toxic materials. Nevertheless, avoid contact of the product with skin and eyes and avoid swallowing. In case of contact with skin or eyes, rinse it immediately with clean running water. If swallowed, seek medical assistance. Additional information are provided in the Safety Data Sheet of the product.

**Fire:** Reparatur Glet is non-flammable.

**Cleaning and disposal:** Loose residues of Reparatur Glet should be cleaned with water. Old and used packaging should be disposed of in accordance with local rules and regulations for that type of waste. Additional information are provided in the Safety Data Sheet of the product.