

# Ekomalt R30

## *Medium elasticity module mortar*

### **Product:**

EKOMALT R30 is a pre-mixed powder, ready to use mixing it only with water, made of cement binder compound, specific chemical additives, synthetic fibres and granulometry selected inert. When mixing is carried out, it is obtained a thixotropic mortar, it has an optimal workability suitable for trimmings or remaking a thickness of surfaces of various kind.

### **Application field**

Suitable for trimmings or remaking a thickness of surfaces of various kind.  
Recovery of concrete or reinforced degraded concrete facilities.

### **Suitable supports**

- Cast concrete or prefabricated
- Reinforced concrete

### **Preparation of the supports:**

The surfaces must be clean from dust, any loose or degraded parts, traces of oil, greases. It is advisable to wash with power, the supports must be treated in advance using FERMALT.  
Eventual water leaks must be stop with MICROBLOC.

### **Application method**

Mix the content of a bag of Ekomalt R30 of 25 Kg with 4,5 - 5 l of clean water either in a concrete mixer or with a low laps drill (300 – 400 laps/min) and birch for 2- 3 minutes up to obtain a plastic consistency mortar.

### **Application:**

Moisten the surface to be treated and then apply EKOMALT R30 rapid with a variable thickness from 2 to 40 mm with the metallic spatula. When the product starts to set use the sponge float to obtain a fine finish.

The thickness for every application is from 2 mm to 4 cm.

In case of high thickness (over 20 mm), keep moisten the restoration for 2 days.

### **Technical data**

- |                        |                  |
|------------------------|------------------|
| ▪ Packaging            | 25 kg bag        |
| ▪ Specific weight      | about 1.920 kg/l |
| ▪ Maximum Granulometry | 0.8 mm           |
| ▪ Water in the mixture | 19%              |

## Ekomalt S 4

### *Low elasticity modulus universal mortar*

▪ Compression resistance (28 days)	32,0 N/mm <sup>2</sup>
▪ Resistance to bending (28 days)	5,5 N/mm <sup>2</sup>
▪ Average consumption per cm of thickness	17 kg of powder/ m <sup>2</sup>
▪ Adhesion to concrete (28 days)	1,4 N/mm <sup>2</sup>
▪ Life time of the mix	40 minutes at 20°C
▪ Mixing time	2 – 3 minutes
▪ Minimum thickness	2 mm
▪ Usage temperature	+5° C/ +35° C
▪ Storage	12 months if kept in a dry place and original sealed container

**Mechanical resistances:** the mechanical resistances reported in the table above, have been obtained from samples of 4 x 4 x 16 cm, packed in laboratory with the 18,5% of water and let to set at 20°C and U.R. 90%. The data above reported can then varies depending on the mixing conditions and the setting time.

#### **Please note:**

- \*\*Do not apply on frozen supports, being thaw or where there is a chance of frost within 24 hours of application
- \*\*Do not apply the product on overheated surfaces, wet, in presence of strong wind or bright sunshine.
- \*\*Moisten the surfaces that must be treated
- \*\*Do not apply on inconsistent, dusty or friable supports, if not previously consolidated
- \*\*Protect the treated surfaces, for at least 24 hours, from heavy rain
- \*\*Do not leave the containers exposed to sunlight prior to use
- \*\*Wash with water the used equipment, straight after usage

**Please note:** All the above data relate to tests carried out in a controlled environment, and are therefore liable to change when the product is used.