

# Ekocoll

## *Adhesive smoother for insulation systems*

### Product

Ekocoll is a dry pre-mixed cement binder compound, containing selected inert silicates and chemical additives in an appropriate grading curve. Applied with a notched stainless steel trowel it allows polystyrene or polyurethane heat insulating panels to be glued and then smoothed.

### Advantages

- A single product glues the panels together and forms a surface layer.
- It reduces movement induced by thermal dilatation.
- It can be applied in a thickness which also enables it to glue rough panels.
- Optimal workability

### Field of application

It enables insulating systems to be fitted as either internal or external over cladding, using polystyrene or polyurethane panels. It is used both as an adhesive for insulating panels or as a reinforcement layer in which a fibre alkali-resistant mesh has been inserted.

### Suitable supports

Old and new plasters.  
Burnt clay blocks, thermo bricks, cement or tuff.  
Walls made of mixed materials or in stone  
Concrete or prefabricated slabs

### Product information data

▪ Containers	25 kg bag
▪ Appearance	grey cement powder
▪ Specific weight	1.5 kg/l
▪ Granulometry	< 0.5 mm
▪ Average consumption as glue	3 kg/sq m
▪ Average consumption as smoother	3.5 kg/sq m

### Application:

#### Preparation of the supports

The surfaces must be seasoned, solid and clean of dirt or dust. Any traces of oils, greases or wax and any loose parts must be removed.

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#### Method of application:

Mix Ekocoll with a drill mixer in about 5.5 – 6 l of clean water for every 25 kg bag until a smooth paste with a plastic texture is obtained. The product must rest for approx. 10 minutes. Briefly re-mix and apply the product over the entire length of the panel as far as the edges. To apply the product use a notched spatula.

The panels must be staggered but fit together without gaps. They must be fixed to the walls mechanically using flat-headed expansion screws. Subsequently apply (at least after 72 hrs) Ekocoll on exposed panels and immerse an alkali-resistant glass fibre mesh. Double the mesh in the door and window corners if necessary.

Use Ekocem raso to obtain a more even finish for painting over.

Paint after not fewer than 7 days.

#### Technical data:

▪ Water in the mixture	23% approx
▪ Maximum adhesion thickness	10 mm
▪ Maximum smoother thickness	3 mm
▪ Pot life	1 hr
▪ Compression resistance after 28 days	> 10 MPa
▪ Stiffness after 28 days	> 4.2 M Pa
▪ Usage temperature	+5 ° C/ +35° C
▪ Storage	12 months if kept in a dry place and in the original containers
▪ Equipment	drill mixer, notched trowel

#### Please note:

Do not apply the product on overheated surfaces or in the presence of strong wind or bright sunshine.

Do not apply on frozen supports or where there is a chance of intense cold within 24 hours of application.

Do not apply on weak, crumbly or dusty supports if not consolidated in advance.

Protect the treated surfaces from heavy rain for at least 24 hours after application.

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