

INSTALLATION INSTRUCTION OF WMB ARCHITECTURAL DETAILS

A) Activities to be conducted:

1. Check and prepare the base according to requirements of the adhesive manufacturer.
2. Measure, cut, position elements (profiles) on the facade.
3. Glue elements to the base and with each other.
4. Joint the contact edges with the wall.

B) Materials:

The core of our products (Polystyrene) as well as the protective coat (polymer-quartz mass) are flexible materials, which is why it is very important to use installation materials which remain flexible over a wide temperature range.

1. Glue elements to the surface.

We recommend the use of flexible adhesives used for embedding and spackling fiberglass mesh for insulation systems, for example:

- CERESIT CT 85
- ATLAS STOPTER K-20
- GREINPLAST KS

In place of the above mentioned adhesives, can also be used polyurethane foams for facade, such as:

- CERESIT CT 84
- TYTAN EOS

During adhesive bonding, larger and heavier elements can be fastened mechanically. (strips, nails, screws, etc...)

2. Jointing of contact points and edges.

a) While gluing elements to the base, on contact area of two elements apply permanently flexible adhesive - sealant (Ceresit CT84). It is recommended to leave an appropriate gap (0,5-0,8 cm) between profiles in order to fill effectively the empty space between two profiles (see picture 1,2,3).



picture 1.



picture 2.



picture 3.



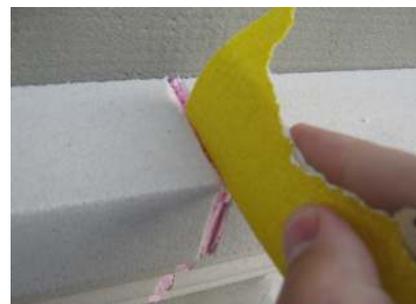
b) When dry, glue seam must be cleaned (see picture 4,5,6) and then primed to provide better adhesion for the repair compound (spatula)(see picture 7,8).



picture 4.



picture 5.



picture 6.



picture 7.



picture 8.

c) After permanent immobilization of glued components (adhesive bonding on the base), the contact edges of elements with a wall, especially the horizontal section should be joined with permanently flexible sealant. It prevents water infiltration under profiles and the formation of damp patches on the wall.

Recommended adhesives - sealants:

- Fix ALL HIGH Tack
- UNI-FIX Oryginal MS-POLYMER
- TYTAN - MULTI-TOOL SEALANT
- POLYURETHANE SEALANT CERESIT CS29

For WMB grain coarse coat in places of contact edges between the elements and the wall can be used acryl for plaster with aggregates imitating plaster such as, for example:

- Den Braven-Acrylic for plaster
- SOUDAL Acrylic for plaster

After the primed section is dry fill the joint with repair mass WMB (See picture 9,10,11).



picture 9.



picture 10.



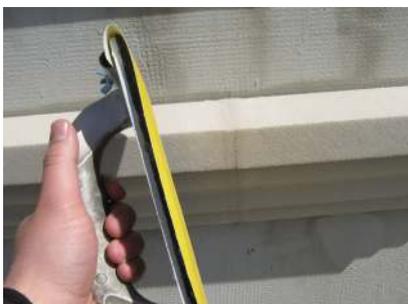
picture 11.



On the next day, or after about 6-8 hours the joint can be polished and after that put again repair mass. High humidity can extend the drying time of the repair mass (see picture 12, 13, 14).



picture 12.



picture 13.



picture 14.

3. Painting of stucco elements - paints.

After the installation is finished it is necessary to paint the stucco elements using appropriate compatible with our products facade paint.

Make sure that the surface is clean, dry and dust free. In case of poor weather conditions we recommend waiting 12 hours so the stucco can be completely dry before any paint coatings are applied.

Pay Attention: We do not recommend priming of our products.

Why is not every facade paint appropriate for our moulding?

In the construction field there are at least two basic types of substrates:

- mineral substrates such as concrete, mineral plaster, mineral plate, limestone etc . This are stable and rigid coats (Many of facade paints are devoted to just such substrates).
- Organic surfaces, usually flexible (instable). Our products belong to this group of flexible materials (flexible foam core and flexible polymer-quartz protective coat). Therefore, for painting should be used facade paints with low surface tension able to remain flexible over a wide temperature range.

Choose an appropriate paint to the surface!

We recommend highly elastic acryl paint which is dedicated for the interior and exterior molding of the WMB Company.



picture 15.

Optional:

- Paint CAP-ELAST PHASE 2 - CAPAROL manufacturer company
- Acrylic paint TIKKURILA Finngard Elastomeric - TIKKURILA manufacturer company



For possible negative effects (cracks, scratches and similar) of paints, spatulas and adhesives other than the above mentioned the WMB company does not take responsibility.



picture 16.

We strongly recommended not using silicate paints.

These paints can enter in chemical reactions with the base and can irreversibly damage the polymer quartz coat of our products.

It is forbidden to use solvent-based paints.

4. Colors of paints.

One of the most important technical parameters of paints is the reflection coefficient of scattered light-HBW. For white color HBW = 100, for black HBW = 0. If color is darker, the value of HBW is lower.

Painted elements in dark colors absorb much more sun rays than elements painted in light colors, that leads to excessive heat and the formation of large thermal stress and causes of cracks in the layer of paint and sometimes also in the base.

We strongly recommended not using of dark colors for which the coefficient HBW is smaller than 30.

5. Final comments.

During installation respect the technical guidance of manufacturers and materials used. Such information can be found on the packaging of these materials and their technical data sheets. In case of doubts, consult with your materials dealer or technical adviser of the brand.

This data sheet defines the scope of material used and recommended to conduct the work properly, but it can't replace the professional preparation of the contractor. The manufacturer guarantees the quality of the product; however, has no influence on the conditions and the manner of its use. Our company shall not be responsible for any losses incurred due to improper or incorrect use of its materials.

Valid from: 01.01.2017

Previous instructions will be invalid after the introduction of update.

