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A) Operations to be done:

1. Checking and preparation of the base in accordance with the requirements of manufacturer of adhesive to be use.
2. Measurements, cutting, positioning of elements (profiles) on the facade.
3. Gluing of elements to the base and with each other.
4. Jointing of edge contact of elements with the wall.
5. Final painting.

B) Materials:

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

And so:

1. Gluing elements to the base.

We recommend to use of flexible adhesives using for embedding and spackling fiberglass mesh for insulation systems for example such as:

- CERESIT CT 85
- ATLAS STOPTER K-20
- GREINPLAST KS
- WEBER KS 126
- KABE KOMBI

or similar ...

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

- CERESIT CT 84
- TITAN EOS

During adhesive bonding, larger and heavier elements can be supported mechanically.

(strips, nails, screws, etc ...)

2. Jointing of contact points and edges.

a) While gluing of elements to a base, on contact area of elements adjacent should be applied adhesive permanently flexibility - sealant, then connect elements and remove the excess adhesive.

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

Recommended adhesives- sealant:

- Fix ALL HIGH Tack of SOUDAL company
- UNI-FIX Original MS-POLYMER of Den Braven company
- TITAN - MULTI-TOOL SEALANT
- POLYURETHANE SEALANT CERESIT CS29

For WMB coarse coat in places of contact elements can be used acrylic plaster with aggregate imitating plaster such as for example:

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

3. Painting of stucco elements - paints.

After finishing of installation it is necessary to paint the stucco elements using appropriate, i.e. compatible with our products facade paint.

Our products belong to the group of flexible plastic materials (flexible foam core and flexible polymer-quartz protective coat) so for painting should be used facade paints with low surface tension able to remain flexibility over a wide temperature range.

We recommend to use checked in our companies laboratory and at many construction site following flexible facade paints:

- Latex paint SEMILATEX Z - SEMPRE manufacturer company
- Acrylic paint CT44 - CERESIT manufacturer company
- Silicone paint CT48 - CERESIT manufacturer company
- Façade Paint flexible FE - GREINPLAST manufacturer company
- Paint CAP-ELAST PHASE 2 - CAPAROL manufacturer company
- Acrylic paint ARKOL E - ATLAS manufacturer company

Application of accidentally selected paints, primers and other surface preparations can result in damage of coat (cracks, scratches, etc. ...)

We strongly recommended not using silicate paints. These paints can enter in chemical reactions with the base and can irreversibly damage the coat polymer quartz



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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 should be lower. Painted elements of dark colors much more than the lighter absorb the sun's rays, which 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 should be respected the technical guidance of manufacturers of 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 using and recommended way of conducting the work, but it can't replace the professional preparation of the contractor. The manufacturer guarantees the quality of the product, however, has no influence for the conditions and the manner of its use. If in doubt, should be done your own tests. Our company shall not be responsible for any losses incurred due to improper or incorrect use of its materials.

Updated: 29/05/2014

Previous instructions cease to be valid after the introduction of update.

