

GUIDELINES FOR INSTALLING WALL CLADDINGS

FLAT GRC BOARDS -SLABS 4-10-18 MM, STAIRCASE SLABS, WALL TILES, OTHER ELEMENTS MOUNTED BY STICKING

Slabs and tiles Artis Visio, Voglio are made of architectural concrete, in high-strength GRC / Glass Reinforced Concrete / technology.

Variable colors, discolorations, uneven distribution of colors, glass fibers visible on the surface and voids - pores are a natural element for this material and product and make it unique and attractive. In products showing porosity, especially in slightly porous and porous elements at the edges and corners, voids may occur, which is the resultant porosity. The above information is available on our website and in the product sheets. These features are not the basis for any complaints. Uneven gluing surface, protruding elements of aggregates, numerous appearing on the edge and even on the aesthetic surface, glass fibers, are the result of the production process. The fibers on the process surface increase the mechanical adhesion of the material in the gluing process. It is noted that the so-called The "arcuate" surface bending is natural for cast elements, such as boards. Its scale, however, should not exceed the normative and indicated deviations in the technical data sheet of the product! The assessment of the deviation scale is made by applying a line gauge to which the element should be pressed with moderate force.

Incorrect storage, storage in conditions of excessive humidity, can lead to secondary linear deformations not being a defect of the product !! Incorrect storage, storage in conditions of excessive humidity, can lead to secondary discoloration and spotting, not being a defect of the product !! The occurrence of a white coating on the mounting surface is a technological effect, and its removal is prerequisite for effective assembly.

MONTAGE

Before assembly, unpack the elements and allow up to 3 days to stabilize the color. The boards should not be stored in an inclined position to the wall, optimal distribution of the boards to the flat. The substrate on which the material stabilizes cannot be damp. It is also necessary, before assembly, to consciously consider and design the distribution of individual elements, so as to obtain the expected visual effect of the space - gradation of porosity, color. Any trapping and post-production residues appearing on the edges should be removed, to the extent required by the accuracy of bonding and the contact of the elements.

a) Verification of panel dimensions.

Before joining, verify the dimensions of the panels - arcing. Plates undergo a dimensional inspection process at the plant and are compliant with the product's standard and technical card. It is noted that linear deformations are natural for the production process. Plates are a product with elastic characteristics and stress. Any assembly irregularities may affect secondary linear deformations, thus incorrectly considered a defect of the product.

ATTENTION! DEROGATIONS DIMENSIONAL not evidenced and undeclared PRODUCER BEFORE ASSEMBLY AND WITHIN 7 DAYS FROM RECEIPT OF THE PRODUCT RESULTING FROM IMPROPER STORAGE, OR FOUND AFTER ASSEMBLY COMPONENTS ARE THE RESULT OF ERRORS STORAGE AND ERROR ASSEMBLY AND WILL NOT BE CONSIDERED AS A DEFECT IN THE PRODUCT, ANY CLAIM THIS TITLE SHOULD BE DIRECTED TO THE INSTALLATION MONITOR!

Typical symptoms of storage errors or assembly errors are bending the corners, concave or convex non-cutting of the edges, stain removal after gluing.

b) Selection of glue and gluing technology.

Note: GRC architectural concrete is a high-strength material that requires strict adherence to assembly recommendations. Distortion of material due to incorrect selection of glue, soil for plates, improper application of the material to the boards is not a defect of the material and is not a basis for complaint!

Technical surface - gluing the board, it is a clearly rough surface, with protruding aggregate

For assembly of elements, a glue or assembly material for materials with reduced absorption is required as a guarantee:

Priming boards / walls	Bonding
Primer Artis Visio – Betongrunt plus	Quick S1

COMMENTS

Due to the thermal expansion of the material and the general principles of the art of building, plate assembly can only take place with a gap between the panel edges of not less than 2 mm and a corresponding 0.2% of the board's axis length in each direction. Installation without observing this condition results in the lack of warranty for boards and assembly.

The proper adhesion of the technical side of the boards before gluing and application of the indicated primers is critical for proper bonding. Skipping this stage or its improper performance always results in deformation - destruction of discs, disc fallout, which jeopardizes safety and is not a reason for any complaints.

The technology of preparing the substrate for gluing, gluing technology should be performed in accordance with the glue manufacturer's instructions. Particular attention should be paid to the method and technology of applying material to tiles and boards. The necessary condition is the tight and careful priming of the surface of the board gluing and applying the glue to the full surface of the board without leaving voids or edge imperfections.

The material guarantee does not cover the effects of assembly errors or inadequate glue selection and gluing technology. When installing white parts, use white adhesives that do not cause discoloration.

It is unacceptable to glue smooth surfaces such as plaster, painted surfaces, other smooth plasters, such as stuccos, without prior removal. The adhesion of the substrate should be verified at the construction site. Insufficient adhesion and stability of the substrate, results in disc loops or loosening of the substrate, which is not a defect of the product and is not subject to complaint.

Not adapting to the above threatens the stability of the bond and adhesion of the element, so that the elements can fall off the wall! Any complaints in this respect will not be considered and are treated as assembly errors!

The product should be stored in a horizontal position, in dry rooms, at a temperature of +5 to +25 degrees Celsius. The boards should be unpacked before installation, 3 days in advance to the date of assembly.

Move, maneuver in an upright position! Inadequate storage in a vertical or inclined position, exposure to moisture can lead to unstable or permanent / depending on the length and intensity of the agent's action on material / deformation of the linear / arcuate product /. The above is not subject to complaint !!!

Bonding "to pancakes", without the adhesive pressure to both surfaces results in unstable bonding. Material not coated with primer, glue on the entire surface may undergo glue stresses and deform - bend. Correcting, correcting the arrangement of the boards after pre-binding with glue, violates the binding. Omitting any of the gluing stages, careless preparation of the substrate, introducing your own "modifications", making an adhesive mixture not in accordance with the manufacturer's instructions, omission or careless priming with dedicated means for separating moisture from the plate or using other than recommended masses and adhesives may result in: unstable binding, bending of material, stain removal, material falling off the wall or its delamination. The above is not a technical defect of the material and results from a mounting defect, for which the installer is responsible.

Any contamination of the surface of the tiles should be washed with water on a regular basis in order not to let the glue dry on their surface. On the first day after assembly, care should be taken, especially in small rooms, for access and air exchange in order to avoid the accumulation of moisture from the drying adhesive and thus its secondary impact on the material.

Attention. The material is supplied with a stable material, it does not undergo spontaneous stresses or cramps, any cracks or scratches resulting from the assembly resulting from the mechanical stresses transferred to the material are not its fault. To avoid this, a stable substrate must be guaranteed.

INSTALLATION INSTRUCTIONS

1. **Subject:**

The subject of this specification are the instructions and requirements for the execution of works related to the exterior and interior wall finishing in the ARTIS VISIO system or the ARDEX system

2. **The scope of work:**

Bonding concrete type ARTIS VISIO concrete floor coverings on horizontal and vertical surfaces, outside and outside inside buildings including:

- ground preparation, cleaning, dusting, priming
- applying a tacky bridge to the ARTIS VISIO product and to the substrate.
- preparation of elastic mortar - applying a contact layer on the wall
- gluing ARTIS VISIO concrete elements in the mortar thickness of 3-30 mm

3. **Preparation of works**

- The substrate for ARTIS VISIO products should have adequate load capacity, be free of dust, dirt and separating layers - old paints, greasy stains etc. should be dry
- The substrate should be primed with dedicated soil. Apply the primer to the substrate with a thin layer brush, rubbing in to saturate the substrate. The surface should be shaded during priming. Apply the primer at temperatures above + 10oC, but no more than + 30oC. The drying time is about 60 minutes
- After applying the primer on the substrate and waiting for it to dry, you can start preparing ARTIS VISIO for gluing.
- The surfaces of the product on which we will apply the primer and then the adhesive should be carefully evaluated each time. It may happen that the surface of the board is cement laitance - it should be removed mechanically - grinding.
- We prime the board with the system primer indicated by the manufacturer. Lay the layer with a roller on the entire technological surface of the board from the side of the contact with the wall. Leave the disc to dry for approx. 60 minutes always in a lying position on a flat, dry surface. Secure the front - the face of the element, before pouring it on the ground.



- If we have a prepared and dry substrate and we have primed and dried boards - concrete elements, we can start preparing the adhesive mortar.
- Always prepare the mineral mortar according to the instructions on the packaging.

4. Performing gluing

- Apply the contact layer of the adhesive mortar on the wall by pressing it with the clamp to the substrate - make the waster. Then spread the material with a toothed trowel 4-12 / set depending on the needs arising from the unevenness of the ground /



- Then apply the appropriate amount of mortar to the Artis Visio element - a layer thickness of 3 -10 mm.



- The mortar should be so applied with a notched trowel so that after gluing the plate on the wall the mortar furrows are vertical.
- The mortar should be placed with a margin about 1 cm from the edge of the element - just like the primer applied previously.
- The mortar chemically binds all of the mixing water within 24 hours and during the setting is dimensionally stable - no shrinkage.

Note: During the assembly process, all precautions necessary for to prevent excessive temperature fluctuations and insulation, avoid working during, strong wind.

Note: If it is necessary to equate walls, this should be done with strong cement masses