



TECHNICAL SHEET

SANDENIT SE310 ADHESIVE FOR SPATULA COVERING OF THERMO-INSULATION POLYSTYRENE BOARDS AND FOR MESH FIXING

PURPOSE: **SANDENIT SE300** is dry building adhesive suitable for fixing and spatula covering of thermo-insulation polystyrene boards on solid wall surfaces, fiberglass mesh fixing and polystyrene plastering.

CONTENT: cement, stone aggregate 0.8mm, additives and hydraulic binders.

DESCRIPTION: grey powder

CONSUMPTION: 4kg/m²

SURFACE PREPARATION: Surfaces need to be clean, solid and dry, without oily residues.

PREPARATION: Mix the powder manually or with electric stirrer with water to needed consistency in approximate relation 2,85:1 (2,85 parts of SANDENIT SE310 i 1 part of water). Mix until material is uniform. Allow mixed material to sit undisturbed for 15 minute and remix it finally. Do not add anything to the mass.

WORK TEMPERATURE: From +8⁰C to +25 ⁰C – and it reffers to air and surface temperature. Maximum air humidity 80%.

APPLICATION: Apply SANDENIT SE310 across the middle and alongside edges of boards under the angle of 45⁰ from external side and press gently the board on the surface. Adhesive can be applied on the board mechanically – strips alongside the edges and 2-3 strips across the middle. Between joints of boards there shouldn't be any adhesive, because it causes thermal bridges. Joints up to 2mm fill with silicone and PU foam, over 2mm with polystyrene strips.

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Flattening: apply adhesive on grinded and dusted polystyrene boards with metal-square notch-trowel in thickness ca 2-3mm. Press fiberglass mesh into fresh adhesive with minimum 10 cm overlapping, level by adding new material. Mesh must be completely covered, but thickness of adhesive should stay 3-4mm. This product can be used for spatula covering of 4mm thick thermo-insulation facades. For bigger imperfections put 2 layers.

Protect reinforcing layer from rapid drying and freezing. Final work is possible after 7 days drying.

OPEN WORK

TIME: Open work time of properly prepared adhesive is 20 minutes.

EXPIRY DATE : 12 months in original packaging in dry and airy rooms.

PACKAGING: Bag 25 kg

TECHNICAL CHARACTERISTICS

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| 1. | The components ration A:B:H2O | 1 : / : 0.35 |
| 2. | Consistence of fresh adhesive (by flow table) mm | 195 |
| 3. | Adhesion to glass surfaces, % | 100 |
| 4. | Slip ceramic tiles, mm | 0.0 |
| 5. | Adhesive strenght on a polystyrene board, MPa a) Initial tensile adhesion strenght-standard conditions b) Tensile adhesion strenght after water immersion c) Tensile adhesion strenght after freeze-thaw cycles d) Tensile adhesion strenght after correction element | 0.13 "CF-T" 0.13" CF-T" 0.10" CF-T" 0.13" CF-T" |
| 6. | Adhesive strenght on concrete surface, MPa a) Initial tensile adhesion strenght-standard conditions b) Tensile adhesion strenght after water immersion c) Tensile adhesion strenght after freeze-thaw cycles | 0.73 "B" 0.82"B" 0.68"B" |
| 6. | Adhesive strenght on a mineral wool board, MPa a) Initial tensile adhesion strenght-standard conditions b) Tensile adhesion strenght after heat ageing (+70°C) c) Tensile adhesion strenght after correction element | 0.25 "CF-T" 0.22" CF-T" 0.24" CF-T" |

STORAGE : In dry room on wooden pallet.

TRANSPORT: SANDENIT SE310 during transport should be protected from rain, snow and

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wetting.

FINAL WORKS: Protect reinforcing layer from rapid drying and freezing. Final work is possible after 7 days drying. Façade colors, decorative plasters, acrylic and mineral.

Kasem company ltd. performs regular testing of all products in certified laboratories. Instructions are product of our knowledge and practical experiences, and they are recommendation for all users if they want to achieve best results in work. If weather conditions are different from those recommended, our instructions should be used as guidelines without applying guarantees. Kasem company ltd. will not take responsibility for wrong usage of product, wrong choice of product and for poorly managed works. It is supposed that user of our products is educated in building techniques and in usage of different products.

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