Product Datasheet

Stable 1-C hybrid assembly adhesive

CODEX SK 300

Stable hybrid assembly adhesive with very high initial adhesion

APPLICATIONS:

1-component hybrid adhesive for elastic bonding of tiles, natural stone, profiles, rails, wood-based materials, rigid foam boards, metals, plastics, concrete, etc. Suitable for bonding codex X-Board building boards, e.g. for shelves and washbasins. Can be used on walls, floors and ceilings indoors and outdoors.

LEED: Meets the LEED requirements in IEQ Credit (4.1) Low Emitting Materials - Adhesives and Sealants (LEED v4)

SUITABLE FOR USE ON:

- Profiles and rails
- Tiles, ceramics
- Natural stone
- Tile support elements, rigid foam
- Polystyrene
- Many metals
- Plastics
- Hard PVC
- Epoxy resin
- GRP
- Lacquered wood
- Concrete

PRODUCT BENEFITS/FEATURES:

- Stable
- High initial adhesion
- Easy to spray out
- Fast curing
- High shear strength
- Odourless
- Can be painted over

SUITABLE ON:

- Tiles, ceramics
- Natural stone
- Tile support elements, rigid foam
- Polystyrene
- Many metals
- Plastics
- Hard PVC
- Epoxy resin
- GRP
- Lacquered wood

TECHNICAL SPECIFICATIONS:

Pack type	cartridge
Pack size	290 ml
Shelf life	12 months
Color	white
Density	approx. 1.5
Minimum working temperature	+ 5 °C to + 35 °C
Temperature resistance	- 40 °C to + 90 °C (cured condition)
Working time	5 minutes*
Setting time	3 mm/24h*
Final strength	after 3-5 days*
Shore-A final hardness	50 ± 5

*At 23 °C and 50 % relative humidity.

GEV-EMICODE EC 1 PLUS very low emission

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CODEX SK 300

SUBSTRATE PREPARATION:

The bonding surfaces must be firm, stable, clean, dry and free of substances (dirt, oil, grease) that could impair adhesion.

Remove adhesion-reducing or unstable layers, e.g. release agents, adhesive, levelling compound, coating or paint residues, etc., e.g. by brushing, sanding, milling or shot blasting. Thoroughly vacuum up loose particles and dust. Clean and degrease very smooth or dense surfaces such as plastics, metal, etc. thoroughly, preferably by sanding or roughening.

The substrates and materials to be bonded must be compatible with the mounting adhesive. Components such as bitumen, tar or other release agents must not be present. We recommend carrying out an adhesion test for all surfaces before application.

A test bond is required on coated substrates to ensure compatibility, as plasticiser migration may be possible with coating materials containing acrylic, for example, which can lead to a poorer bond.

Observe the product data sheets of the products used.

APPLICATION:

1. Cut open the cartridge above the threaded neck and screw on the bevelled nozzle tip.
2. apply codex SK 300 to the substrate and/or the part to be joined. For an elastic bond, the optimum adhesive thickness is at least 2 mm. For surface bonding, the adhesive can be spread with a fine notched trowel, spatula or similar.
3. Place the adhesive material in the fresh adhesive layer as quickly as possible and press down firmly.
4. Uncured adhesive can be removed when fresh, e.g. using cleaning cloths. When cured, the adhesive can only be removed mechanically.

IMPORTANT NOTES:

- Store in a cool, dry and frost-free place at temperatures between +5 °C and +25 °C. Carefully close opened containers tightly and use up the contents quickly.
- If the products are stored and/or transported for longer periods (several weeks) at higher temperatures/humidity, a reduction in shelf life or a change in the material properties cannot be ruled out.
- codex SK 300 can be used for bonding natural stone, but is not suitable as a joint sealant on this surface and should therefore only be used on the underside of natural stone tiles.
- When using different reactive grouts, the first grout must be fully cured before applying the next one.
- Curing takes place by means of a reaction caused by air humidity. The curing speed therefore depends not only on the temperature but also on the air humidity. The application thickness and condition of the adhesive surfaces are also decisive. The curing time can be significantly longer with application thicknesses of over 15 mm, for example. Rapid drying and hardening can be expected if there is air contact or if an adhesive surface is absorbent or permeable. Dry or non-absorbent substrates and thicker layers delay drying to 3 - 5 days or more.
- When bonding non-absorbent materials to dense, absolutely non-absorbent substrates, the adhesive surface should be wetted with a fine mist of water before bonding. The material to be bonded is then applied to the substrate with a slight rotating motion.
- Adhesive parts must be sufficiently relaxed, acclimatised and adapted to the normal room climate for subsequent use before bonding.
- The adhesive is compatible with paint in accordance with DIN 52 452-4. Hybrid-based products can generally be painted and varnished over with many paint systems. The adhesive must be fully cured before painting.
- Protect bonded or filled areas from water or moisture until the adhesive has formed a leathery, water-resistant skin.
- Plastics containing plasticisers (e.g. soft PVC) may cause discolouration or loss of adhesion.
- During renovation work, old sealants, paint residues and unsound layers must be completely removed.

SEALS OF QUALITY & ECOLABELS

- Solvent-free, containing methoxysilane
- EMICODE EC 1 PLUS / Very low emission

CONSUMPTION:

Silane-terminated prepolymers, mineral fillers, additives.

PROTECTION OF THE WORKPLACE AND ENVIRONMENT:

Solvent-free adhesive containing methoxysilane. Non flammable. Avoid contact with eyes and skin. When curing, produces traces of methanol. Ensure good ventilation during application. Wear protective gloves. After contact with skin wash with plenty of water and soap. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Observe safety information on product label as well as safety data sheet. Once cured, has a neutral odour and presents no physiological or ecological risk.

DISPOSAL:

Where possible, collect product residues and re-use. Do not allow dispersal into drains, sewers or ground. Empty, scraped and drip-free containers are recyclable. Containers with liquid residue, as well as the liquid product, are classed as Special Waste. Dried product residues are classed as Construction Waste. Therefore collect waste material and allow to harden, then dispose as Construction Waste.

The above information is based on our experience and careful investigations. The variety of associated materials and different construction and working conditions cannot be individually checked or influenced by us. The quality of your work depends, therefore, on your own professional judgement and product usage. If in doubt, conduct a small test or obtain technical advice. Observe the installation recommendations of the covering manufacturer. The publication of this datasheet invalidates all previous Information. The respective updated version of this datasheet can be found on our website: www.codex-x.com | 07/2024