PRODUCT DATA SHEET

ISO-TOP FACADE SEAL

ISO CHEMIE
Use the blue technology.

PRODUCT DESCRIPTION

ISO-TOP FACADE SEAL is an almost odourless gun applied hybrid polymer sealant. Its colour fastness and high resistance to both weather and UV light make it ideal for sealing internal and external building movement joints.

ISO-TOP FACADE SEAL bonds without primer even on slightly moist surfaces, cures blister-free and is very good to paint over with water-based paints as per DIN 52452.

APPLICATION

- sealing of indoor and outdoor joints during renovation and new building work as per DIN 4108-7
- usual moving joints in buildings as per DIN 18540
- sealing between window and door frames and masonry
- expansion joints between construction materials
- sealing of solid construction joints on the exterior
- connection joints for roof and facade

PACKAGING

12 tubular bags (e 600 ml) per box

ACCESSORIES

ISO-TOP PRESSFIX for easy handling

PRODUCT ADVANTAGES

- can be processed from 0 °C
- permanently flexible after curing
- complies with ISO 11600 F-25LM (maximum total deformation 25 %)
- for versatile use on many standard construction surfaces
- can be painted over well (with water-based paints)
- also bonds to slightly moist surface
- free of solvents, isocyanate and silicone
- non-corrosive
- leaves no stains on porous surfaces such as natural stone, dressed stone, marble and granite
- complies with ISO 11600 F-25LM
- complies with EnEV requirements and the recommendations of the RAL “installation guide”

RESISTANCE TO CHEMICALS

Good: water, aliphatic solvents, diluted inorganic acids and alkalis, oils and greases

Poor: aromatic solvents, concentrated acids and chlorinated hydrocarbons

CE GEV-EMICODE EC 1 PLUS very low emission

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ISO-TOP FACADE SEAL

Technical data	Standard	Classification
Colour		white, quartz grey, cement grey*
Base		1-component hybrid polymer
Consistence		firm paste
Density in g/ml	DIN 53479	1.45
Processing temperature		+0 °C (frost-free) at +40 °C (ambient temperature) +0 °C (frost-free) at +35 °C (temperature of adhesive surfaces)
Temperature stability range		-40 °C to +90 °C
Skin forming**		approx. 10 minutes
Curing speed**		2 mm in the first 24 hours
Curing system		polymerisation through air humidity at room temperature
Shore A hardness	DIN 53505	25 ± 5
Re-expansion capacity	ISO 7389-B	> 70 %
Maximum permissible total deformation	DIN EN ISO 11600	25 %
Elasticity module 100 %	DIN EN ISO 8339	0.4 N/mm²
Tensile strength	DIN 53504	1.3 N/mm²
Tensile shear strength (Surface: AlMgSi1 / Layer thickness: 2 mm / Feed speed: 10 mm per min.)	DIN 53504	0.5 N/mm²
Elongation at break	DIN 53504	> 900 %
Change in volume	DIN EN ISO 10563	-2 to -3 Vol. %
Building material class	DIN 4102 Part 4	B2 (normal flammability)
Application method		manual or pneumatic gun
Shelf life		12 months from production date in unopened tubular bag and packaging
Storage temperature		+5 °C to +25 °C in dry environment

* Alternative colours available on request.

** The specifications refer to the completely cured product. Measured according to standard climate DIN EN ISO 291 at 23 °C / 50 % RH. These values may vary depending on environmental factors such as temperature, moisture and type of substrates.

PROCESSING

Can be used on all standard construction surfaces such as concrete, aerated concrete, rigid PVC, timber, metals, GRP (except for PP, PE, PTFE and silicones). Porous surfaces in water loaded applications should be primed. We recommed a preliminary adhesion test on every surface. The recommended joint dimensions and maximum permissible total movement must always be heeded. Permanent pressure on the joint must be avoided as this can otherwise lead to stains or bonding problems. In the case of construction sealing foils (e. g. soft PVC, butyl rubber, APTK, EPDM) there may be incompatibilities in the form of discolouring or loss of adhesion. The adhesive surfaces must have a sufficient load-bearing capacity and be clean, dust- and grease-free. Dry surfaces are particularly suitable. The best adhesive values are achieved here. Curing is effected by air humidity at room temperature and takes place from outside to inside, slowing as time progresses. At low temperature and / or low humidity, the curing process is slowed significantly.

HEALTH AND SAFETY

Please refer to our EC safety data sheets for hazard notices, safety advice, storage conditions, disposal notes and transport marking information.

AREA OF APPLICATION

	For adhesion	For sealing
Minimum width	2 mm	5 mm
Maximum width	10 mm	30 mm
Minimum depth	2 mm	5 mm
Recommended joint dimensions	-	joint width = 2 x joint depth for joints > 6 mm joint width = 1 x joint depth for joints < 6 mm

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