

Characteristics

- MS-polymer based adhesive sealant
- High initial bonding strength ('high tack')
- High final strength
- Bonds to slightly moist substrates
- Does not cause any corrosion in metal joints
- Suitable for use with natural stone and will not stain
- Paintable with most water and solvent based paints
- Permanently elastic
- U.V. and weather-resistant

Applications

- Bonds without primer on almost all materials used in the construction industry, such as natural stone, composite hard surfaces, porcelain, ceramic, aluminium, galvanized and stainless steel, concrete, brick, treated wood, gypsum, glass, MDF, various synthetic materials, etc.
- For interior and exterior use
- Gluing of panels and elements in the interior and ceiling construction: wall cladding elements and ceiling panels (interior), isolation panels (mineral wool, wood-wool cement & plastic foams, PUR, PIR, PS)
- Wooden & plastic laths, ornaments, frames, doorsteps, window sills, skirting boards, roofing elements...
- Gluing and fitting of safety glass in the banking industry and fitting of cable ducts, mitres in aluminium windows, mirrors etc.

Technical Characteristics

Basic ingredient	MS polymer
Curing system	By means of humidity
Number of components	1
Skin formation time (23°C and 50% R.H.)	17 min
Vulcanisation rate (23°C and 50% R.H.)	2,5 - 3 mm/24 h
Density: ISO 1183	1,56 g/ml
Processing temperature	+5°C - +40°C
Shelf life, in the original packing in dry conditions between +5°C - +25°C	12 months
Shore A hardness: ISO 868	60
Joint movement capacity: ISO 11600	20%
Modulus at 100% elongation: ISO 8339	1,60 N/mm ²
Elongation at break: ISO 8339	110%
Modulus at break: ISO 8339	1,7 N/mm ²
Shearing strength Initial:	10 g/cm ²
After 4h:	15 kg/cm ²
After 1 week:	32 kg/cm ²
Tensile strength Initial:	300 g/cm ²
After 4h:	14 kg/cm ²
After 1 week:	24 kg/cm ²
Shearing force beech/beech (after 4h)	1,4 N/mm ²
Solvent & isocyanate content	0%
Dry matter content	ca. 100%
Temperature resistance	-40°C - +90°C

Technical Data Sheet

Technical Characteristics

Extremely good moisture resistance and not sensitive to frost

Packing and Colours

12 cartridges of 290 ml/box

Method of Use

Preparation

The substrate must be fixed and rigid enough. The substrate may be slightly damp. The materials to be joined must be clean and free from dust and grease. If necessary, degrease using a suitable cleaner, MEK, alcohol, or ethanol.

Primers

For strongly absorbent substrates it may be advisable to use a suitable primer. It is advisable to do bonding tests. It is the user's responsibility to check whether the product is suitable for his application. Our technical department could be consulted.

Application

- Apply Stontex MSP 600 with the supplied nozzle in strips or dots to the base or on the element to be bonded. The strips must be applied in vertical rows. Apply the strips parallel to each other, to allow the humidity to reach the adhesive between the strips.
- Bring together the parts to be joined as quickly as possible, at least within 10 minutes (this depends on the temperature and relative humidity level). The parts can at this stage still be adjusted
- Finally, push down one over the other well or tap with a rubber hammer.
- It is advised to have a gap of 3.2 mm between the parts to be bonded spacer blocks or pieces of foam tape may be used), to allow the adhesive to smooth out any distortions (especially important in exterior use or under humid conditions).
- The internal strength of Stontex MSP 600 immediately after application is such that bonding is possible without clamping or temporary support.

Tooling

If desired, smooth finishing can be done using or rubber stripper.

Cleaning

Any adhesive that protrudes along the edges can be removed using a tooling knife. Adhesive residue that has not yet dried, can be removed using . Dried adhesive must be removed mechanically.

Painting

Paintable with most water and solvent based paints. Can be painted wet on wet. After 48 hours, the surface must be cleaned first before it can be painted. Pre-testing is necessary. Alkyd paints require an extended drying time.

Safety

Please refer to safety data sheet which is available on request.

Limitations

- Joints that are exposed to constant submersion under water and rooms with permanent high relative humidity
- Joints with a width or depth < 5 mm
- Gluing PE, PP, PA and Teflon®.
- On polycarbonate and polyacrylate: Use a suitable primer.

Technical Approvals

IKI-report for the use in hospitals as glue and adhesive for wall panels.

Leeds certificate for low VOC (tested by Eurofins)