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SOUDAL

Technical Data Sheet

SOUDASEAL HT

Date: 09/06/2010

Technical Characteristics:

Base	MS Polymer®
Consistency	Stable Paste
Curing System	Moisture Cure
Skin Formation (*)	Ca. 10 min. (20°C/65% R.V.)
Curing Rate (*)	2-3 mm/24 h (20°C/65% R.V.)
Hardness	50 ± 5 Shore A
Specific Gravity	1,62 g/ml
Maximum Deformation	± 20 %
Temperature Resistance (fully cured)	-40°C until +9 0°C
Elasticity Modulus 100 %	0,75 N/mm² (DIN 53504)
Tear Strength	1,90 N/mm² (DIN 53504)
Elastic Recovery	> 75 %
Elongation at break	> 600 % (DIN 53504)
Shear Strength Substrate Thickness Shear velocity	> 1,5N/mm² AlMgSi1 2 mm 10 mm/min

(*) these values may vary depending on environmental factors such as temperature, moisture, and type of substrates

Product:
Soudaseal HT is a high quality single component adhesive sealant with high adhesive strength and initial tack. It is based on MS-Polymer®, chemically neutral and fully elastic. For use in construction, automotive, marine and aerospace areas where a tough flexible rubber or adhesive with powerful bond strength is required.

Characteristics:
- High initial tack reducing the need for initial support
- High bond strength and fast cure onto nearly all surfaces
- Primerless adhesion even on damp surfaces (due to Soudaseal HT's unique adhesion promoters)
- High performance mechanical properties
- Flexible elastic rubber – movement accommodation up to 20 %
- Straight forward application even in adverse conditions
- No bubble formation within sealant (in high temperature and humidity applications)
- Very easy to tool and finish
- Good extrudability even at low temperatures
- Colour stable and UV resistant
- Ecological advantages – free of isocyanates, solvents, halogens and acids
- Does not contain isocyanates and silicone
- Solvent free and completely neutral – minimal health and safety considerations
- Can be painted with all water based paints and many other systems
- Resistance to many chemicals and withstands mould growth

Applications:
Sealing and bonding in the building industry
Sealing of floor joints and low movement wall joints
Suitable for sanitary applications
Structural bonding in vibrating constructions
Connection joints in sheet metal fabrication
Paintable gap filler and sealant
Mirror bonding direct onto the back of the mirror

SOUDASEAL HT

Packaging:
Colour: white, black, other colours on request
Packaging: cartridge 290 ml; foil bag 600 ml, hobbock 20 l, drums 200 l on request

Shelflife:
12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.

Resistance to chemical agents:
Good resistance to water, mineral oils, grease, diluted inorganic acids and alkalis
Poor resistance to aliphatic and aromatic solvents, concentrated acids, chlorinated hydrogens

Substrates:
Sort: all usual building substrates, several metals and plastics (except PP, PE, PTFE, silicones and bituminous substrates)
NOTICE: bonding plastics like PMMA (ie Plexi® glass), polycarbonate (ie Makrolon® or Lexan®) in stress loaded applications can give rise to stress cracking and crazing in these substrates. The use of Soudaseal HT is not recommended in these applications.
Nature: clean, dry and free of dust and grease
Pre-treatment Porous surfaces in water loaded applications should be primed with Primer 150. We recommend the use of Surface Activator on non-porous materials

We recommend preliminary adhesion tests previous to application

Application:
Method: Manual- or pneumatic caulking gun
Application temperature: +1°C until +30°C
Cleaning: White Spirit or Surface Cleaner immediately after application and before curing
Tooling: soapy solution before skin formation
Repair with: Soudaseal HT

Health- and Safety Recommendation:
Apply the usual industrial hygiene.

Remarks:
- Soudaseal HT may be overpainted with water based paints, however due to the large number of paints and varnishes available we strongly suggest a compatibility test before application. The drying time of alkyd resin based paints may increase.
- Soudaseal HT can be applied to a wide variety of substrates. Due to the fact that specific substrates such as plastics, polycarbonate, etc, may differ from manufacturer to manufacturer, we recommend preliminary compatibility tests.
- Soudasal HT can be used for adhering of and sealing on natural stone.
- When applying, make sure not to spill any sealant on the surface of materials.