Seal & Bond MS60

BONDING, ASSEMBLING AND SEALING

- Can be used at temperatures as low as -10°C
- Also on damp surfaces
- Tensile strength up to 38 kg/cm²
- Safe for people and the environment
- High mould resistance

Technical Info

(All values at 23°C / 50% relative humidity)

- Basis: Next Gen Polymer Technology.
- Curing: Polymerisation under the influence of (air) humidity.
- Colour: See nozzle/colour band.
- Scent: neutral.
- Density: 1.50 +/- 0.1 g/cm³.
- Processing temperature: -10°C to +40°C.
- Thermal stability: -40°C to +90°C / peak 200°C (max. 20 minutes).
- Skin formation: 8 minutes.
- Non-stick: 25 minutes.
- Functional strength (0.3 MPa, hand tight):
  - Porous materials: 3 hours
  - Non-porous materials: 6 hours
- Curing:
  - 24h – 6mm
  - 48h – 7mm
  - 72h – 8mm
- Volume shrinkage after curing: < 1%.
- Modulus of elasticity 100%: 200N/cm² / 2.00 MPa.
- Elongation at break (DIN 53504 S2): 350%.
- Maximum motion capture (ISO 11600) 12.5%.
- Shore A hardness (DIN 53505): 60.
- Tensile strength (DIN 53504 S2):
  - After 7 days: 280 N/cm² (= 28 kg/cm²)
  - After 3 months: 380 N/cm² (= 38 kg/cm²)
- Air permeability (EN 12114): <0.01 m³/hm¹ at positive and negative pressure 1KPa.

Product [SBD]

Characteristics

- The renewed Seal & Bond MS60 is based on Next Gen Polymer Technology, the latest generation of hybrid polymers. MS60 is free from harmful substances such as phthalates, solvents, isocyanates. It can be used safely on all materials and develops a very high tensile and adhesive force.
- MS60 is completely waterproof and windproof, and can be used as an effective Radon barrier. It remains elastic in the long term and has high weather and UV resistance. MS60 can be painted over with almost all paints, except for alkyd resin-based paints.
- S&B MS60 is ISEGA approved for incidental contact with foodstuffs.

- Vapour permeability (ISO 12572): SD value 1600.
- Radon permeability (RISE SP3873): k = 9.4·10 -11 m²/s (Radon barrier).
- Chemical resistance:
  - Good: water, seawater, aliphatic solvents, oils, fats, diluted organic acids, alkalis
  - Moderate: esters, ketones, aromatic solvents
  - Bad: concentrated acids, chlorinated solvents
- Weather resistance: very good.
- Resistance to mould growth: (ISO 846): class 0.
- Shelf life: 18 months from production.
- The first seven digits of the batch number are the production date: YY WW DDD, where YY = year (24 = 2024), WW = week and DDD = day
- Safety precautions: please consult the safety data sheet.

Packing

Seal & Bond MS60 black (RAL 9004) - cartridge 310ml	530116000
Seal & Bond MS60 white (RAL 9016) - cartridge 310ml	530216000
Seal & Bond MS60 grey (RAL 7004) - cartridge 310ml	530316000
Seal & Bond MS60 black (RAL 9004) - sausage 600ml	530108000
Seal & Bond MS60 white (RAL 9016) - sausage 600ml	530208000
Seal & Bond MS60 black (RAL 9004) - sausage 310ml	530107000
Seal & Bond MS60 white (RAL 9016) - sausage 310ml	530207000

Use

- Processing temperature between -10°C and +40°C. At temperatures below 0°C, curing will be considerably slower.
- Apply to a clean, stable, dust- and grease-free surface. Clean and degrease with Safety Clean and/or Multifoam.
- Test adhesion on plastics, powder coatings, exotic woods and bituminous materials.
- S&B Special primer increases the bond strength on difficult (LSE) plastics and powder coatings.
- First strengthen weak and/or porous surfaces with Fixapox.
- S&B MS60 hardens by a reaction with (air) moisture. When used between two airtight materials, it is recommended to dampen one of the surfaces very slightly.
- Use vertical adhesive strips to avoid moisture and dust accumulation.
- Ideal adhesive thickness: 0.5 mm to 3 mm. Thin layers = higher strength. Thicker layers = higher elasticity.
- When using as a sealant: apply Safety Clean (only on smooth materials) or Novakleen pH9 on porous materials.
- Can be painted over after skin formation. Do not use with alkyd-based lacquers and paints.
- Use Safety Clean to clean tools and/or remove uncured S&B MS60. Cured S&B MS60 can only be removed by mechanical means.