



# Seal & Bond MS60

BONDING, ASSEMBLING AND SEALING

- ✓ Even on wet surfaces.
- ✓ Super strong and permanently elastic.
- ✓ Fast curing, can be painted.
- ✓ Without harmful substances\*.



## Technical Info

- Base: MS polymere.
- Color: see nozzle.
- Smell: neutral.
- Flow: 5 bar/3mm/23°C 140g/min.
- Skin cure: 23°C 50% RH 8 minutes.
- Non-adhering: 23°C 50% RH 25 minutes.
- Full cure time: 23°C 50% RH
  - 24 hours - 6 mm
  - 48 hours - 7 mm
  - 72 hours - 8 mm
- Max. allowable deformation 12,5% (according to ISO 9046).
- Expansion joints for ISO 11600 F 12,5% HME construction.
- Volume shrinkage after cure: <3%.
- Hardness - DIN 53505: 58 Shore A.
- Tensile Strength: after 7 days: 260 N/cm<sup>2</sup>, after 1 month: 280 N/cm<sup>2</sup>, after 3 months: 310 N/cm<sup>2</sup>.
- Tear Strength: 140 N/cm<sup>2</sup> DIN 53507.
- Adherence: to most surfaces. Attention: bad adherence to PE, PP, silicones,...
- Thermal stability: -30°C till +95°C. Short period for powder coating process to +200°C.
- Elongation at rupture -DIN 53504: >350%.
- Contains no isocyanates: non-toxic.
- Application temperature: from +5°C up to +40°C.
- Chemical resistance:
  - good: water, seawater, aliphatic solvents, oils, greases, diluted organic acids, lyes.

## Product [SBD]

### Characteristics

Seal & Bond MS60 is based on hybrid polymers and is \*phtalate, isocyanate, solvent and silicone-free. As a result Seal & Bond MS60 is almost odourless and completely neutral so that the adhesion on blank metals and on most materials offers limitless possibilities. Can be welded before curing.

- moderate: esters, ketones, aromatics; for more information, see chemical resistance list.
- bad: concentrated acids, chlorinated solvents and chlorinated swimmingpool water.
- Electrical resistance: 10 Ohm.
- Pressure resistance (ISO 11432): 1,19 N/mm<sup>2</sup>.
- Water vapour transmission (DIN EN ISO 12572): 1,6.
- Shelf life: 12 months, keep dry, cool and frost-free.
- Safety measures: 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 grey (RAL 7004) - sausage 600ml	530308000
Seal & Bond MS60 black (RAL 9004) - sausage 310ml	530107000
Seal & Bond MS60 white (RAL 9016) - sausage 310ml	530207000

## Use

- Processing temperature: from +5°C to +40°C.
- Apply to clean, dust and grease-free substrate.
- If necessary clean with Safety Clean and/or Multifoam.
- Apply with manual or air caulking gun (best with telescopic plunger).
- Due to the wide variety of different plastic materials and compositions, as well as materials that are prone to stress cracking, preliminary trials are recommended (plastics, powder coatings, exotic woods and bituminous materials).
- Start by strengthening weak and/or porous substrates with Fixapox.
- Seal & Bond Special Primer can improve adhesion on difficult synthetic materials.
- Due to the diversity of varnishes and paints on the market we recommend preliminary tests.
- Using products based on alkyd resins may delay the drying process.
- Use Safety Clean to clean and degrease safely, obtain the perfect finish, and to remove uncured Novatio polymers.
- Use Novakleen pH9 to finish porous materials.
- When glueing mirrors in sanitary facilities only apply vertical strips of adhesive to avoid stagnant moisture due to condensation.
- Ideal adhesive thickness for optimal adhesion strength: 3 mm.



## Adhesives and sealants