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SOUDASEAL METALBOND

Base	Silyl-terminated polymer	
Sag	No sag in vertical displ. @120°F	ASTM C 639
Curing system	Moisture Cure	
Tack-free time	24 hours	ASTM C 679 (maximum 72 hrs.)
Cure time	24-48 hrs, ¼" diameter bead	@ 75°F & 50% relative humidity
Hardness – Shore A	40 +/- 5	ASTM C 661
Skin Formation (*) (68°F/65% RH)	10 minutes	
Service temperature range	-40°F to +195°F	
Specific Gravity	1.64	ASTM C 661
Elongation at break	250%	ASTM D 412
Maximum Deformation	+/- 20%	ASTM C 794
VOC	34 g/l	
Flame and Smoke Index	Flame=20 Smoke=35	ASTM E 84

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

Product:

SoudaSeal Metalbond is a solvent free, high quality single component HVAC ducting sealant for all types of metal ducts. This high performance product is engineered for a wide range of sealing and bonding applications. It is based on MS-Polymer®.

Characteristics:

- Very easy to apply
- Low odor and solvent free
- Color fast and waterproof after curing
- Very good adhesion on galvanized and stainless steel
- Remains permanently flexible

Applications:

- All types of HVAC duct systems including sheet metal, duct board and flexible ducts
- Sealing of seems, spigot and flange joints, and metal fabrications
- Bonding in the building and construction industry
- Indoor and outdoor use
- Good UV resistance

Packaging:

Color: gray

Packaging: 1 gallon in PE bucket, other sizes by special order

Shelf life:

12 months in unopened packaging in a cool and dry storage place at temperatures between 41°F and 77°F

Resistance to chemical agents:

Good resistance to water, aliphatic solvents, mineral oils, grease, diluted inorganic acids and alkalis.

Poor resistance to aromatic solvents, concentrated acids and chlorinated hydrocarbons.

Substrates:

Nature: clean, free of dust and grease, no adhesion on PE, PP, PTFE and bituminous substrates

Priming: porous surfaces should be primed with Primer 150, surface activator may be used on non-porous surfaces.

We recommend preliminary compatibility test previous to application.



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Application:*Method:* spatula or notched trowel*Application temperature:* 41°F to +95°F*Cleaning:* IPA immediately after use and before curing*Tooling:* with soapy solution before skin formation*Repair with:* SoudalSeal Metalbond**Health- and Safety Recommendation:**

KEEP OUT OF REACH OF CHILDREN. Avoid skin and eye contact. On Contact, uncured sealant could cause irritation to skin and eyes. In case of eye contact, flush eyes with warm water for 15 minutes, call a physician. For skin contact, remove sealant with a paper towel. If swallowed, do not induce vomiting, call a physician. METALBOND MS 200 is manufactured for professional use only. Refer to Material Safety Data Sheet (MSDS) for further information.

Remarks:

- May be painted, 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.
- Can be applied to a wide variety of substrates. Due to the fact that specific substrates such as plastics, like polycarbonate, etc. may differ from manufacturer to manufacturer, we recommend preliminary compatibility tests.
- should not be used as a glazing sealant
- should not be used for continuous immersion in water
- do not apply to freshly treated wood; treated wood must have been weathered for at least 6 months
- lower temperatures and humidity will extend curing time

Limited Warranty:

SOUDAL warrants product to be of good quality and will replace or, at our election, refund the purchase price of any products proved to be defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement or refund, SOUDAL MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS, and SOUDAL shall have no other liability with respect thereto. Any claim regarding product defect must be received in writing one (1) year from the date of shipment. No claim will be considered without such written notice or after the specified time interval. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith.