



IDENDEN 40-400

SILYL MODIFIED POLYMER

KEY BENEFITS

- Ventilation ducting sealant
- Durable and reliable seal
- Safe for workers and environment

PRODUCT DESCRIPTION

Idenden 40-400 is a one-component sealant formulated for sealing round and square air-ducting elements. Idenden 40-400 provides a resilient airtight seal, which prevents loss of internal pressure. It demonstrates excellent resistance to UV, weather and temperature and is free of solvents, plasticizers, isocyanates and silicone. Idenden 40-400 is suitable for the construction of air-conditioning systems in accordance with the standard DIN EN 1507/EN 15727 class D and for HVAC systems according to VDI 6022 (tested according to DIN EN ISO 846). Declaration of conformity for food processing companies is available (according to EC No. 1935/2004 and LFGB §§ 30 and 31).

APPLICATIONS

- Construction of air-conditioning systems

FEATURES

- Good adhesion to metal surfaces
- DIN EN 1507 / EN 15727 class D compliant, for HVAC systems according to VDI 6022
- Very low shrinkage
- Early water resistant
- Paint compatible (DIN 52452, part 4; Due to the large scale of different types of industrial paints, performing a small compatibility test prior to usage is recommended.)

METHOD OF USE

Preparation: Surfaces must be clean, dry and free from dust, oil, grease. Bostik Cleaner I can be used to remove any impurities and to degrease the bonding surface.

Application: Extrude a continuous bead of Idenden 40-400 along the seam or slip joint. Joints must be filled completely without air pockets.

Basic Material		Silyl Modified Polymer (SMP)
Specific Gravity	[g/ml]	ca. 1.5
Skin Forming Time	[min]	ca. 30
23°C/50% R.H.		
Curing Mechanism		Moisture
Curing Speed	[mm]	ca. 4
23°C/50% R.H.		
Shore A Hardness		ca. 52
Colour		Grey
Volume Change	[%]	ca. < 3
Max Joint Movement	[%]	ca. 10
Tensile Stress At Break	[MPa]	ca. 2.5
ISO 37 (dumbbells)		
Elongation At Break		ca. 500
ISO 37 (dumbbells)		
Shear Stress	[MPa]	ca. 2.3
ISO 4587		
Temperature Resistance	[°C]	-40 to +90
Application Temperature	[°C]	+ 5 to +40

PACKAGING DESCRIPTION

290ml cartridge
600ml sausage

ADHESION

Generally, Idenden 40-400 can be used without primer on glass, anodized aluminium, galvanized steel, stainless steel, rigid PVC, polystyrene and Makrolon. Base materials must be compatible with IDENDEN 40-400 in the sense of DIN 52452, part 1; they may contain neither bitumen nor tar. Compatibility with plastics should be verified before use.

STORAGE STABILITY

Idenden 40-400 can be stored for 9 months in cartridge and 12 months in sausage, in the original, unopened container in a dry place at temperatures between +5°C and +30°C.

FURTHER INFORMATION

The following publication is available on request:

- Material Safety Data Sheets (MSDS).

DISCLAIMER

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