



# Idenden 40-317

## HIGH VELOCITY ACRYLIC DUCT SEALANT

TECHNICAL SHEET NO: TDS02142 25/10/2024

### SMART ADVANTAGES

- Fire tested
- Conforms to DW144 – Class D
- Easily applied

### DESCRIPTION


Bostik 40-317 High Velocity Acrylic Duct Sealant is designed for use on both low and high velocity heating and air conditioning ducts. Bostik 40-317 High Velocity Acrylic Duct Sealant forms a tough, yet flexible seal, which prevents loss of internal pressure without the necessity of additional tape. It is waterproof & flame retardant, and has excellent adhesion to metal surfaces.




### TECHNICAL CHARACTERISTICS

<b>Colour</b>	Grey
<b>Form</b>	Gunnable paste
<b>Specific gravity</b>	1.7 approx.
<b>Composition</b>	Water-borne acrylic
<b>Application temperature</b>	+5°C to +40°C
<b>Service temperature</b>	-30°C to +95°C (depending on operating conditions)
<b>Drying time</b>	Touch dry: 30 minutes Through dry: 4 days (depending on joint thickness and drying conditions)
<b>Fire tests</b>	Independently tested to EN ISO 11925-2 and EN 13823. Reaction to fire classification according to EN 13501-1: C – s2, d0 When tested on product applied 10mm thick and 20mm wide onto 1mm thick aluminium sheet, as per EGOLF recommendation 055-2019. Results will vary when applied at different rates and/or onto other substrates. The classification is valid for construction applications used over any metallic

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	<p>substrate with a density equal to, or greater than 2700kg/m<sup>3</sup>, having a minimum thickness of 1mm, a minimum melting point of 500°C and a minimum fire performance of A1</p> <p>Independently tested to BS 476: Part 6 – Pass Part 7 – Class 1 Building Regulations: Class 0</p> <p>Tested on two 1.2mm galvanised steel plates overlapped by 25mm and riveted together. The riveted joints were sealed with a 6mm bead of sealant. Results will vary when applied at different rates and/or onto other substrates</p> <p>UL Classified Caulking and Sealants R25431</p>  <p>Surface burning characteristics for building materials, UL723.</p> <p>Applied to inorganic reinforced cement board+ Flame spread Zero Smoke developed Zero + - Tested as applied in two 9.5mm (3/8 in.) diameter beads, 8 in. (20.3cm) on centre. (Coverage: 4.2 percent of the exposed test sample area.)</p> <p>Bostik 40-317 High Velocity Acrylic Duct Sealant meets the requirements of NFPA 90A and 90B (2018 edition) for a flame spread index of less than 25 and a smoke developed index of less than 50, when tested to ANSI/UL 723, Standard for Test for Surface Burning Characteristics of Building Materials by Underwriter's Laboratories</p>
<b>Fungal resistance</b>	ASTM G21 resistance to fungal growth - zero rating, no fungal growth
<b>Air leakage</b>	Conforms to DW144 - Class D
<b>VOC testing</b>	<p>VOC content of Bostik 40-317 High Velocity Acrylic Duct Sealant meets the requirements for SCAQMD rule 1168 'Architectural Sealants' when tested according to ASTM D2369.</p> <p>Bostik 40-317 High Velocity Acrylic Duct Sealant meets the VOC emission requirements for CDPH-IAQ, product type: joint sealant.</p> <p>Bostik 40-317 High Velocity Acrylic Duct Sealant qualifies for LEED v4 by meeting both the VOC content and emission</p>

	specification for "Low-emitting products". VOC: < 1%
<b>Dubai Central Laboratory VOC content</b>	4g/l 
<b>Tensile strength</b>	1.5MPa
<b>Elongation at break</b>	230%
<b>Shore A hardness</b>	70

#### COVERAGE

- 10 linear metres of 6mm diameter bead per cartridge (depending on application technique, and performance requirements)

#### APPLICATION

IMPORTANT: Before using Bostik 40-317 High Velocity Acrylic Duct Sealant, refer to the relevant Health & Safety Data Sheet, available at [www.bostik.com/uk](http://www.bostik.com/uk).

#### PREPARATION

- Surfaces must be clean, dry and free from dust, oil, grease and any loose materials.

#### APPLICATION

- Cut off the dome at the top of the cartridge, cut the nozzle to the required diameter and then screw it onto the cartridge.
- Insert the cartridge into a skeleton gun and squeeze the trigger until the sealant appears.
- Extrude a continuous bead of sealant along the seam or slip joint.
- Position and fit sections of duct together, then tighten while the sealant is still wet.
- Using a disposable applicator, coat excess over the exterior of the joint and over the heads of all metal screws after they are in place and the joint is fastened.

#### CLEANING

- Clean tools and equipment with water immediately after use. Cured sealant can be removed with hot, soapy water.

#### STORAGE

- Store and transport securely in an upright position. Ensure the lid is fully closed. Store for up to 24 months from date of manufacture in original, unopened packaging in cool, dry conditions within the temperature range +5°C to +30°C and out of direct sunlight. Protect from frost.

#### PRECAUTIONS IN USE

For any application not covered, please contact Technical Services on +44 (0)1785 272625 or visit [www.bostik.com/uk](http://www.bostik.com/uk) for advice.

Recommendations and suggestions are for guidance only, since conditions of use are completely beyond our control.

For health and safety instruction, first aid measures and spillage and disposal instructions, see separate Health and Safety Data sheet for Bostik 40-317 High Velocity Acrylic Duct Sealant, available at [www.bostik.com/uk](http://www.bostik.com/uk).

PACKAGING		
Product codes	30615244	280ml cartridges x 12
	30615250	6kg tubs

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