

Idenden 40-317

HIGH VELOCITY ACRYLIC DUCT SEALANT

Date: 15 November 2019

Fact Sheet No.: TDS00688

YOUR SMART ADVANTAGES

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

USES

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 both waterproof and flame retardant and has excellent adhesion to metal surfaces.

PRODUCT CHARACTERISTICS

Colour	Grey
Form	Gunnable paste
Specific Gravity	1.7 approx.
Composition	Water borne acrylic polymer
Product Code	30601510 280ml cartridges x 12 30813991 6kg tubs
Storage/Shelf Life	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 +40°C and out of direct sunlight. Protect from frost.

TYPICAL PERFORMANCE DATA (Approx.)

Application Temperature	+5°C to +40°C
Service Temperature	-30°C to +95°C Dependent on operating conditions
Coverage	10 linear metres of 6mm diameter bead per cartridge
Drying Times	Touch Dry: 30 minutes Through Dry: 4 days Depending on bead size and drying conditions
Fire Tests	When used for its intended purpose does not detract from the surface spread of flame characteristics of the ductwork. Independently tested to BS 476: Part 6 – Pass Part 7 – Class 1 Building Regulations: Class 0 When tested on a bead of 6mm applied to mild steel. Results will vary when applied at different rates and/or onto other substrates. UL classified Caulking and sealants R25431 Surface burning characteristics for building materials UL723 1/4 in. Inorganic Reinforced Cement Board+



	<p>Flame spread zero</p> <p>Smoke developed Zero</p> <p>+ - Tested as applied in two 9.5 mm (3/8 in.) diameter beads, 8 in. (20.3 cm) on center. (Coverage: 4.2 percent of the exposed test sample area.)</p> <p>LNE – Classement de réaction au feu d'un matériau – Class M1.</p> <p>When tested on a 0.65 mm film of product. Results will vary when applied at different thicknesses.</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>
Fungal Resistance	ASTM G21 resistance to fungal growth - zero rating, no fungal growth.
Air Leakage	Conforms to DW144 - Class C.
VOC Testing	<p>Bostik 40-317 High Velocity Acrylic Dust Sealant showed low VOC contents in a test specified in LEED 2009 credit EQ c 4.1 (adhesives and sealants). The VOC content is below the limit value specified as 250 grams/litre (less water) for 'Architectural Sealants':</p> <p>VOC g/l: < 1</p>
Dubai Central Laboratory VOC content	<p><1 g/l</p>  <p>DCI DUBAI CENTRAL LABORATORY</p> <p>PRODUCT CONFORMITY DUBAI GREEN BUILDING REGULATIONS Certificate No. CL17026455</p>
Solvent for Cleaning Up	<p>When Wet: Water</p> <p>When Dry: Difficult to remove</p>

APPLICATION

2. Cut off the dome at the top of the cartridge, cut the nozzle to the required diameter and then screw it onto the cartridge.
3. Insert the cartridge into a skeleton gun and squeeze the trigger until the sealant appears.
4. Extrude a continuous bead of sealant along the seam or slip joint.
5. Position and fit sections of duct together, then tighten while the sealant is still wet.
6. 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

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

PRECAUTIONS IN USE

For any application not covered, please contact Technical Services on +44 (0)1785 272625 or visit 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.

BOSTIK HOTLINE

Smart help +44 (0) 1785 272625



DIRECTIONS FOR USE

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.

PREPARATION

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

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Sales	Tel: 0844 371 1192	Fax: 01785 241818	customer.service@bostik.com
Technical Advice	Tel: 0844 371 1197	Fax: 01785 272867	technical.service@bostik.com
Safety Data Sheets	Tel: 01785 272625	Fax: 01785 212962	sds.box-eu@bostik.com