



# Idenden 40-317

## HIGH VELOCITY ACRYLIC DUCT SEALANT

TECHNICAL SHEET NO: TDS02142 14/04/2023

### 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

Page 1 of 4

	<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>	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. Bostik 40-317 High Velocity Acrylic Duct Sealant meets the VOC emission requirements for CDPH-IAQ, product type: joint sealant. Bostik 40-317 High Velocity Acrylic Duct Sealant qualifies for LEED v4 by meeting both the VOC content and emission

	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		
<b>Product codes</b>	30615244	280ml cartridges x 12
	30615250	6kg tubs

This disclaimer is issued by Bostik Limited ("the Company") and applies to the use of any products supplied by the Company ("the Products") displayed on this Technical Data Sheet ("TDS"). Please read this disclaimer carefully before using any of the Products. Using this TDS and/or the Product constitutes your acceptance of this disclaimer. Its contents shall prevail over any directions of use and any disclaimer and/or exclusion or limitation of liability of the Company that may appear on the packaging of the Products.

This disclaimer sets out the entire financial liability of the Company (including any liability for the acts or omissions of its employees, agents and sub-contractors) to any user of the Products ("Product User") in respect of any use made or resale by the Product User, of any of the Products in this TDS.

This disclaimer does not affect the Company's liability for death or personal injury arising from the Company's negligence in respect of the Products, nor its liability for fraud, or fraudulent misrepresentation, nor any other liability that cannot be excluded or limited under applicable law.

The Company's total liability however arising and whether caused by tort (including negligence and breach of statutory duty), breach of contract or otherwise, arising in connection with the use made or resale by the Product User of any of the Products in this TDS shall be limited to the price paid for the Product by the Product User.

The Company shall not be liable to the Product User for any pure economic loss, loss of profit, loss of business, depletion of goodwill or otherwise, in each case whether direct, indirect or consequential, or any claims (including in respect of personal injury insofar as not caused by the Company's negligence) for consequential compensation whatsoever (howsoever caused) which arise out of or in connection with the use made or resale by the Product User of any of the Products in this TDS.

The Company shall not be liable to the Product User in relation to any loss for any use that is inappropriate or use that is otherwise than in accordance with the relevant instructions for use of the Products in this TDS or on the Product. Product Users are advised to confirm the suitability of the Products by their own tests.

This TDS covers just one of a large range of products supplied by the Company.

Full information on these products and advice on application is freely available from our fully trained staff throughout the country. In addition, specialist technical advice is available from our Technical Services Department. This TDS supersedes all previous TDSs relating to the Products, and users of it must ensure that it is the current issue. Destroy all previous TDS, and if in any doubt, contact the Company, quoting the code number in the top left hand corner on the front of this document.

Sales	Tel: 0844 371 1192	<a href="mailto:customer.service@bostik.com">customer.service@bostik.com</a>
Technical Advice	Tel: 0844 371 1197	<a href="mailto:technical.service@bostik.com">technical.service@bostik.com</a>
Safety Data Sheets	Tel: 01785 272625	<a href="mailto:sds.box-eu@bostik.com">sds.box-eu@bostik.com</a>

#### DISCLAIMER

Bostik offers this Technical Data Sheet ("TDS") for descriptive and informational use only. It is not a warranty, a contract or a substitute for expert or professional advice. Please also see the local product Safety Data Sheet for health and safety considerations.

The statements, technical information, data, and recommendations contained in this TDS are provided 'AS IS' and are not warranted or guaranteed in any way. They represent typical results for the products and are based on Bostik's research only. Since the conditions and methods of use of the products are beyond our control, Bostik expressly disclaims any and all liability and damages of whatever kind or nature that may arise from any use of the products, the results therefrom, or reliance on the information contain herein.

**Bostik Ltd**  
Common Road,  
Stafford, ST16 3EH, UK  
Phone: +44 (0)1785 272625  
[www.bostik.com/uk](http://www.bostik.com/uk)

**BOSTIK HOTLINE**

Smart help +44 (0)1785 272625



All advice, recommendations, figures and safety regulations provided are based on careful investigations, as well as the current state of our experience and are without obligation. Although the documentation has been compiled with the greatest care, we do not accept any liability for inaccuracies, mistakes, typesetting or printing errors. We reserve the right to modify the respective product if we deem it necessary. Since the design, the quality of the substrate and the processing conditions are beyond our assessment, no liability can be accepted for work performed on the basis of this documentation. We therefore advise you to carry out practical tests on site yourself. Our general Terms and Conditions of Sale and Delivery apply to all our sales and deliveries.