

### Description

LD410 Duct Sealant is a single-part gun grade duct sealant. The formulation is based on an emulsion acrylic polymer system, which gives a firm, but flexible seal in low movement joints.

### Colour

Grey

### Packaging

310 ml cartridge (25 per carton)

### Technical Information

Property	Test Method	Result
Composition		water based acrylic
Specific Gravity		1.62 - 1.66
Shore A Hardness		30
Tack Free Time	at 23°C, 50% RH	15-60 minutes
Movement Accommodation		±12.5%
Application Temperature		+5°C to +40°C
Service Temperature Range		-15°C to +75°C
Storage		Store in shaded dry conditions between +5°C and +25°C
Shelf Life		12 months when stored as recommended in original unopened containers

### Necessary Tools

- Cartridge gun and sharp knife.

### Priming

- No priming required.

### Surface Preparation

- Joints should be clean, dry and free from substances likely to impair adhesion.
- Loose friable material should be removed.
- Use mechanical abrasion to clean non-porous surfaces if necessary.
- Joint width and joint depth should not be less than 3 mm to ensure adequate penetration of the sealant and performance.
- For sealing around door and window frames the minimum joint width should be 6 mm.

### Joint Backing

- If necessary back fill the joint with polyethylene joint backing in order to control the depth of sealant.

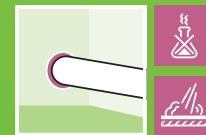
### Application

- The user is advised to conduct tests to determine the suitability of the product for the intended application prior to use.



## LD410

### Duct Sealant



#### Usage / Purpose

LD410 has been designed for the permanent sealing of low movement assembly joints in low, medium and high pressure ductwork installations to prevent loss of air pressure. When correctly applied, the product is capable of sealing to the air leakage requirement of Class C to HVCA standard DW 144.

#### Key Benefits

- Prevents air leakage in low, medium and high pressure ductwork
- Can be used to meet requirements of Class C to HVCA standard DW 144
- Water based: especially suited for safe use in confined spaces

## Duct Sealant

### Flange Joints

- Apply a strip of TN013 Flange Sealing Tape around the inside perimeter of the joint to be sealed to act as a spacer.
- Apply a continuous bead of illbruck LD410 around the external perimeter. Assemble the joint and strike off any excess adhesive.
- Alternatively, apply a continuous bead between the flanges around the edge of the gasket after assembly and firmly tool into the joint.

### Seam Joints

- Firmly gun a bead of sealant along the seam and tool as required.

### Spigot Joints (spiral ducting)

- Apply a thick coat of LD410 to the male end of the coupling, slide on the straight run of ducting and mechanically fasten.
- Strike off any excess material over the exterior of the assembly and screw heads. Leave to cure fully before pressure testing and commissioning.
- The rate of cure in the joint is dependent on the ambient environmental conditions and also the assembled joint arrangement and the depth of the sealant between the joint faces.
- Protect from water for a minimum of 24 hours after application. Application in damp or humid conditions will significantly extend the cure time

### Cleaning

Uncured sealant can be removed by sponging with warm water. Cured sealant can only be removed mechanically.

### Please Note

Not recommended for continuous contact with moisture, or external use where moisture is likely to be present prior to sealant cure. Do not use in contact with bituminous material. Do not expose to water until fully cured, or attempt to abrade when cured. Do not over paint until a surface skin has formed.

### Health & Safety Precautions

Safety data sheet must be read and understood before use.



#### Technical Service

tremco illbruck has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Services on 01942 251400.

#### Guarantee / Warranty

tremco illbruck products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with tremco

illbruck written instructions and (b) in any application recommended by Tremco illbruck, but which is proved to be defective, will be replaced free of charge. No liability can be accepted for the information provided in this leaflet although it is published in good faith and believed to be correct. tremco illbruck Limited reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.



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