



DUCTING SEALANT

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DESCRIPTION

GRAFT® DUCTING SEALANT is a one part ready to use, permanently flexible acrylic sealant for use with low and high velocity air conditioning system ducts. This product is based on a durable acrylic emulsion and is paintable with both alkyd resin and water based paints.

GRAFT® DUCTING SEALANT is recommended for use where permanent sealing of assembly joints in ductwork is required to prevent air loss in accordance with requirements of DW144.

Surplus uncured material can be easily removed using a damp cloth.

FEATURES

- Joint movement capability of +/-10%
- Excellent slump resistance
- 12 months shelf life
- Fast cure - tack free within an hour (5mm film @23°C 55% relative humidity)
- Full cure – 7 days
- Solvent free
- Easy to apply and tool off
- Paintable
- No priming required, excellent adhesion to metal surfaces
- Mildew resistant – contains a fungicide
- Reduces sound transmission

APPLICATION INSTRUCTIONS

• All surfaces must be clean and sound, free from dirt, oil and grease. It is recommended that surfaces are degreased during assembly prior to sealant application to remove any grease or oil deposits.

• In all cases, cut nozzle to the desired angle and gun firmly into the joint to give a continuous solid bead along the joint face/ seam.



Flange joints: apply the self-adhesive foam tape around the inset perimeter of the joint to be sealed to control ducting sealant depth during application. Then apply a continuous bead of ducting sealant around the external perimeter of the joint. Assemble the joint ensuring good contact is made with the duct sealant and strike off any excess. Any residues can be wiped away with a damp cloth.

• Alternatively, assemble the joint, and then apply a continuous bead between the flanges around the perimeter and then firmly tool into the joint.

Seam joints: Apply the ducting sealant along the seam and tool into the joint.

Spigot joints: Apply the ducting sealant as a thick coat onto the male coupling end and then carefully slide on the female end (straight run). Mechanically fasten the joint and strike off any excess material.

Installations should be left to cure fully before pressure testing and commissioning.

USAGE

Usage (Figures quoted are for a standard 300 ml cartridge)

Joint Size (mm)	3X6	6X6	9X6	12X6	20X10	7X7 fillet	10x10 fillet
Linear Metres / Cartridge	17.2	8.6	5.7	4.3	1.5	12.6	6.2

PACKAGING

GRAFT® DUCTING SEALANT is available in 300ml rigid plastic cartridges as standard, 600ml aluminium foil sausages and 5 litre pails are available options.

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DUCTING SEALANT

TECHNICAL DATA

Form	Ready to use thixotropic paste
Specific Gravity:	1.60- 1.68
Flashpoint:	None
Tack Free Time:	60 minutes maximum
Skin Time:	20 minutes maximum
Solids Content:	>78%
Movement Accommodation:	Low to medium +/-10% butt joints
Shelf Life:	Up to 12 months when stored in unopened cartridges under cool dry conditions. Avoid temperatures above 30°C & below 5°C
Compatibility:	Can be used in contact with most building and decorating materials.
Service Temperature Range:	-15°C to +95°C

HEALTH AND SAFETY

Wash the material from the skin while still wet. Material in contact with eyes should be washed out immediately with water. Seek medical advice if discomfort persists. More detailed information can be found in the relevant GRAFT® DUCTING SEALANT Safety Data Sheet.

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