

PROPERTIES

COLOUR: Grey

APPLICATION CONSISTENCY: Brush, Trowel, Glove, Caulking Gun, or Power Extrusion

SPECIFIC GRAVITY:
1.40kg/l

AVERAGE SOLIDS:
70% by weight

COVERAGE RANGE:
Brush: 0.8lt/m² at 0.8mm wet film thickness
Caulking Gun: 38m per 300ml tube at 3.2mm bead
9m per 300ml tube at 6.4mm bead

DRYING TIME 23°C / 50% RH:
Set to Touch: 1 hour. Dry Through: 16 hours

SERVICE TEMPERATURE LIMITS:
-10°C to 93°C

FUNGAL GROWTH RESISTANCE (ASTM G 21):
Rating = 0, no fungal growth on surface.

WET FLAMMABILITY:
No flash to boiling, over 100°C

SURFACE BURNING CHARACTERISTICS (AS1530.3.1999):

Ignitability Index: 0
Spread of Flame Index: 0
Heat Evolved Index: 0
Smoke Developed Index: 3
Applied to 4.5mm non-combustible substrate. The results of this fire test may be used to directly assess fire hazard, but it should be recognized that a single fire test method will not provide a full assessment of fire hazard under all fire conditions.

BS 476 Parts 6+7: Class "O"

AS4254 -2002: Meets the requirements UV, ozone and weather resistance for exterior installations

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FOSTER DUCT-FAS™ DUCT SEALANT

FOSTER Duct-Fas Duct Sealant is a fire resistive, water based, indoor/outdoor, U.V. resistant, non-fibrated sealant for use on high velocity ducts to form a flexible yet durable seal against air leakage. Foster Duct-Fas Duct Sealant has been specially formulated for ease of application, clean "break-off", and non-slumping at elevated temperatures.

Duct-Fas Duct Sealant may be pressure tested after 24 hours dry time above 20°C. It quickly forms a strong bond to clean galvanized, aluminium and mild steel metal ducts. Mechanical fasteners of the type and number normally used for duct assemblies are required to provide rigidity to the duct system.

Duct-Fas Duct Sealant is ideal for sealing ASJ, FRK, and FSK jackets and board facings at joints, laps and over staple and weld pin punctures, and for sealing flexible air ducts to rigid connectors. The cartridge grade is ideal for use as a joint sealant with polystyrene insulation.

Duct-Fas Duct Sealant contains no asbestos, lead, mercury, or mercury compounds.

Duct-Fas Duct Sealant VOC: 7 g/l, less water and exempt solvents (South Coast Air Quality Management rule 1168)

LIMITATIONS

Store and apply between 4°C and 38°C, protect from freezing until dry.

To resist rain washoff, allow at least 16 hours drying time above 4°C, with a relative humidity of 50%. Higher humidity or lower temperatures may retard drying.

Always test foil and paper facings for acceptable adhesion.

Outdoor horizontal surfaces must always drain completely. A pitch of at least 4cm/m is required.

If used between impermeable surfaces, drying time will be extended.

1/09

APPLICATION GUIDE FOR FOSTER DUCT-FAS™ DUCT SEALANT 32-19

MATERIAL PREPARATION

DO NOT THIN. Apply only to clean, dry, oil-free surfaces. Keep container closed when not in use.

APPLICATION: MASTIC CLOSURE OF FLEXIBLE AIR DUCTS:

Apply to clean, dry, oil-free surfaces by brush, trowel, or power extrusion. Brush out uniformly a 50mm wide coat over the joint, at the nominal rate of 0.8l/m². Total coverage rate to be 0.7–0.9l/m². Allow the completed joint to dry at least 24 hours above 20°C before pressure testing. High humidities (over 70%) and/or cooler temperatures may retard drying. Total wet film thickness to be 800micron (0.8mm) +/- 80 micron.

OTHER SEALING APPLICATIONS:

Apply a continuous film of DUCT-FAS Duct Sealant over all areas of the indoor or outdoor duct system where air leakage may occur. A brush may be used to work the sealant into joints and remove excess. On spiral ducts apply a coat 32-19 to the male end of the coupling prior to fitting the straight run of spiral duct over it. Brush excess 32-19 over the joint to complete the seal. Screw holes and flanges should also be sealed with a coat of 32-19. It may be applied to the inside or the outside of the duct.

POWER EXTRUSION

DUCT-FAS Duct Sealant may be applied using a wide variety of power (pressure) extrusion equipment suitable for use with waterbase sealants. It is a soft buttery gel with a typical viscosity range of 500,000 – 700,000 cps (Brookfield viscometer spindle F, 4RPM). Corrosion resistant pumps and fittings are suggested.

TOP COATING

After it is completely dry, 32-19 may be top coated with good quality water base paint.

CLEAN-UP

Use fresh water to clean brushes and equipment before product dries. Dry product may be removed with hot soapy water or strong solvents such as chlorinated solvent (non-flammable) or xylol (flammable).



CUSTOMER SERVICE —1800 423 855

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ADEQUATE TESTS: The information contained herein we believe is correct to the best of our knowledge and tests. The recommendations and suggestions herein are made without guarantee or representation as to results. We recommend that adequate tests be performed by you to determine if this product meets all of your requirements. The warranted shelf life of our products is six months from date of shipment to the original purchaser.

For industrial use only. Keep out of reach of children.

Consult Material Safety Data Sheet and container label for further information.