



Scotch-Weld™ 750C Industrial Sealant

Product Data Sheet

Updated : July 2006
Supersedes : March 1996

Product Description

750C is a joint sealant which dries to form a tough flexible seal, designed to accommodate movement in ducting and other sheet metal fabrications. 750C seals joints against passage of air, moisture, fuel and oil.

Physical Properties

Not for specification purposes

Solvent	Ketone	
Flash Point	-6°C (Abel closed cup)	
Consistency	Heavy Syrup	
Solids Content	52% (typical)	
Specific Gravity	1.0	
Colour	Red-Brown	
Shelf Life	15 months from date of despatch by 3M when stored in the original carton at 21°C (70°F) & 50 % Relative Humidity	

Performance

Characteristics

Not for specification purposes

This sealer has excellent resistance to weathering, water, oil and fuel. A dried film of 1/8" thickness will withstand bending over a 6" mandrel at -54°C (-65°F).

Comparable thickness of the sealer will withstand continuous exposure up to 93°C (200°F) and intermittent exposure up to 149°C (300°F).

Adhesion to anodised or zinc chromate primed aluminium alloy is excellent. Adhesion to bare metal is generally satisfactory for most purposes, though it may be improved by priming with Scotch-Clad Coating 776.

Service Temperature Range	-54°C to 93°C (-65°F to 200°F)	
Water Resistance	Excellent	
Weathering Resistance	Excellent	
Fuel & Oil Resistance	Excellent	

Directions for Use

Surface Preparation:

Surfaces must be clean, dry and grease free to ensure satisfactory adhesion.

Application:

In bulk form flow gun. Utilising either pressure pot, or drum pump to feed flow gun. Fluid lines should be 12mm dia nylon or PTFE lined. In cartridges from hand gun. In tubes.

Coverage:

Approximately 11 metres per 310 cc Cartridge of 6mm Ø bead.

Approximately 44 metres per 310 cc Cartridge of 3mm Ø bead.

**Directions for Use
Cont'd ...****Drying Time:**

The surface dries tack free in about 5 minutes after application. Thorough drying to full hardness requires 1 to 3 days depending upon accessibility to air.

Application Temperature Range:

16°C to 27°C (60°F to 80°F)

Clean Up:

Use 3M Solvent No. 2.

NOTE:

3M Solvent No. 2 is highly flammable. When using solvents for clean up it is essential that proper safety precautions be observed.

Storage Conditions

Cool dry place. Store at 16°C to 27°C (60°F to 80°F) for maximum storage life.

**Health and Safety
Information****Precautions:**

Highly flammable. May cause eye irritation. Keep away from heat. Keep away from sources of ignition - No smoking. Keep container tightly closed. Use only in well ventilated areas. Avoid eye contact, prolonged skin contact and prolonged breathing of vapour.

First Aid:**Eye Contact:**

Immediately flush eyes with water for at least 10 minutes and call a physician.

Skin Contact:

Wash with soap and water. If irritation persists, contact a physician.

For further Health and Safety information, please contact the Toxicology Department at Bracknell Head Office on (01344) 858000.

Specifications

Ministry of Technology Specification DTD.900/4451A.

Surface spread of flame test BS 476 Part 7 Class 1
(Warrington Research Centre Ref. No. 9151), and AFS 581.

Heating and Ventilating Contractors' Association Spec. DW 142 for low, medium and high velocity/pressure classes.

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Values presented have been determined by standard test methods and are average values not to be used for specification purposes. Our recommendations on the use of our products are based on tests believed to be reliable but we would ask that you conduct your own tests to determine their suitability for your applications. This is because 3M cannot accept any responsibility or liability direct or consequential for loss or damage caused as a result of our recommendations.

**Industrial Adhesives & Tapes Division**

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