



Scotch-SealTM

7886 Industrial Sealant (Cartridges)

Product Data Sheet

Updated : March 1996
Supersedes : November 1993

Product Description

A grey, fast curing, cartridge grade sealant having good "cut-off" properties and other excellent application characteristics.

It has good gap filling properties and cures to form a firm, flexible rubbery seal. Excellent adhesion is exhibited to galvanised steel, cold rolled steel and aluminium.

Physical Properties

Not for specification purposes

Base	Synthetic Elastomer	
Solvent	Toluene	
Flash Point	7°C (closed cup)	
Consistency	Medium Paste	
Solids Content	72% (typical)	
Specific Gravity	1.17	
Colour	Grey	
Shelf Life	12 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

Service Temperature Range	-30°C to 71°C	
Adhesion	Excellent adhesion to galvanised steel, cold rolled steel and aluminium.	
Weathering Resistance	Excellent	
Fuel & Oil Resistance	Poor	
Pressure Tests	The sealant has been tested to HVCA Specification DW142, 24 hours after application - drying conditions were 22°C and 45% R.H.	The sealant conforms to Class D of the specification. See test report BSRIA Contract 3501 report 4 May 1983.

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Directions for Use

Surface Preparation:

Surfaces must be clean, dry and grease free to ensure satisfactory adhesion. Surface cleaning of metals can be done by wiping Scotch-Grip Solvent No. 2 followed by wiping with a clean, dry cloth.

Application:

This product is supplied in cartridges which fit into the 3M hand and air powered caulking guns and is also available as 9411 Industrial Sealant in 25 litre pails.

Coverage:

Approximately 140 metres per litre of 3mm diameter bead (wet).
Approximately 36 metres per litre of 6mm diameter bead (wet).

Application Temperature:

16°C to 27°C (61°F to 80°F)

Approximate Drying Time:

3mm wet beads of sealant become tack free in approximately 15 minutes after application.

Thorough drying to full hardness occurs in 1-3 days depending on environmental conditions. For pressure tests after 24 hours drying time see performance characteristics.

Clean Up:

Use either Scotch-Grip Solvent No. 1 or 2. Both solvents are highly flammable. When using solvents for clean-up, ensure proper safety precautions are observed.

Applications

Designed to seal joints against the passage of air in low, medium and high velocity/pressure ductwork distribution systems.

Storage Conditions

Store under cool, dry conditions, at 16°C to 27°C for maximum storage life.

Health and Safety Information

Precautions:

Highly flammable. Harmful by inhalation. May cause eye irritation. Keep away from heat. Keep away from sources of ignition - No Smoking. Avoid breathing vapours, eye contact and prolonged skin contact. Use only in well ventilated areas.

First Aid:

Eye Contact:

Rinse immediately with plenty of water and seek medical advice.

Skin Contact:

Wash with soap and water.

For further Health and Safety information, please contact the Toxicology Department at Bracknell Head Office on (0344) 858000.

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Specifications

Heat & Ventilating
 Contractors Association
 Specification DW142 for
 low, medium and high
 pressure/velocity air
 systems.

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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.



Specialty Tapes & Adhesives

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