

### PROPERTIES

**COLOUR:** Grey

**APPLICATION CONSISTENCY:**  
Trowel, or power extrusion

**SPECIFIC GRAVITY:**  
1.44kg/l

**AVERAGE SOLIDS:**  
99% by weight

**COVERAGE RANGE:**  
Trowel: 1.6 – 3.5l/m<sup>2</sup>  
At 1.6 – 3.2mm wet film thickness

**DRYING TIME 23°C / 50% RH:**  
To Touch: 24 hours  
Full Set: 7 days

**SERVICE TEMPERATURE LIMITS:**  
-73°C to 149°C

**WATER VAPOR PERMEANCE (ASTM E 96):**  
0.013 metric perm-cm (0.008 perm-inch).  
The water vapor transmission through 25mm of impermeable insulation in 30 X 45cm blocks with 6.4mm joints of 30-45 is too small to measure.

**WET FLAMMABILITY:**  
No flash to boiling, 93°C

**COMBUSTIBILITY:**  
Combustible. Flame spread and fuel contribution negligible when used as sealant in 3.2mm wide joints of incombustible insulation.

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### FOSTER® FOAMSEAL™ SEALANT

**FOSTER® FOAMSEAL™ Sealant** is a grey vapor barrier sealant designed for use with rigid thermal insulation including polystyrene foam. It remains flexible and tough in joints and will not shrink or crack during repeated cycles of high and low temperatures.

**FOSTER® FOAMSEAL™ Sealant** seals the joints of cellular glass and other insulations against the entrance of moisture. When used as a bedding compound on iron or steel surfaces and as a joint sealant, 30-45 provides additional protection to the blocks of insulation. Damage to the insulation due to migration of moisture is minimized.

**FOSTER® FOAMSEAL™ Sealant** is water and weather resistant and is often used as a sealant and flashing compound where structural parts must penetrate an insulation surface.

**FOSTER® FOAMSEAL™ Sealant** contains no asbestos, lead, mercury, or mercury compounds.

#### LIMITATIONS

Store between 4°C and 38°C.

Apply between 10°C and 43°C.

Allow to cure one week before placing in heated service.

Application of Foster® Foamseal™ Sealant to all pipe work must fully comply with all application guidelines and recommendations, in particular, Specification No. 2.1 and 2.1: Cold Work Insulation, which can be found at [www.hbfuller.com.au](http://www.hbfuller.com.au) or by contacting HB Fuller at 16-22 Red Gum Drive, Dandenong South, Vic 3175, or telephone 1800-423-855. Not suggested for use with copper, aluminium or plastic pipe work.

Not suggested for use under solvent base elastomeric mastics and coatings, if minor surface discoloration and/or dirt pick-up would be objectionable. Discoloration can be minimized by allowing 24 to 48 hours cure time before top coating.

Make certain this product is completely dry and the area free from product odour if food is involved.

# APPLICATION GUIDE

## FOSTER® FOAMSEAL™ SEALANT

### 30-45

#### MATERIAL PREPARATION

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

#### APPLICATION

Apply by trowel, putty knife, power extrusion or bulk caulking gun. When sealing insulation joints apply FOSTER® FOAMSEAL™ Sealant at 1.6 to 3.2mm wet film thickness and press mating surfaces together firmly to squeeze out air bubbles and to obtain complete contact. When flashing, do not trowel out to feather edge, but maintain a minimum of 3.2mm wet film thickness throughout the entire area of use. Use membrane as specified. For best results, allow to cure 24-48 hours before top coating with solvent-based elastomeric mastics or coatings.

#### POWER EXTRUSION

FOSTER® FOAMSEAL™ Sealant may be applied using a wide variety of power (pressure) extrusion equipment suitable for use with oil base sealants. Typical viscosity range: 0.5 - 1.0 million cps.

#### CLEAN-UP

Clean tools and equipment with mineral spirits (flammable) or chlorinated solvent (non-flammable).



**CUSTOMER SERVICE — 1800 423 855**

IMPORTANT: H.B. Fuller Australia Pty Ltd warrants that each of its products will be manufactured in accordance with the specifications in effect on the date of manufacture. WE MAKE NO OTHER WARRANTIES AND EXPRESSLY DISCLAIM ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If a product fails to meet this limited warranty, purchaser's sole and exclusive remedy is replacement of the product or, at our option, refund of the purchase price. OUR ACCEPTANCE OF ANY ORDERS FOR THE PRODUCT IS EXPRESSLY CONDITIONAL UPON PURCHASER'S ASSENT TO THE TERMS ON THE APPLICABLE INVOICE.

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.**



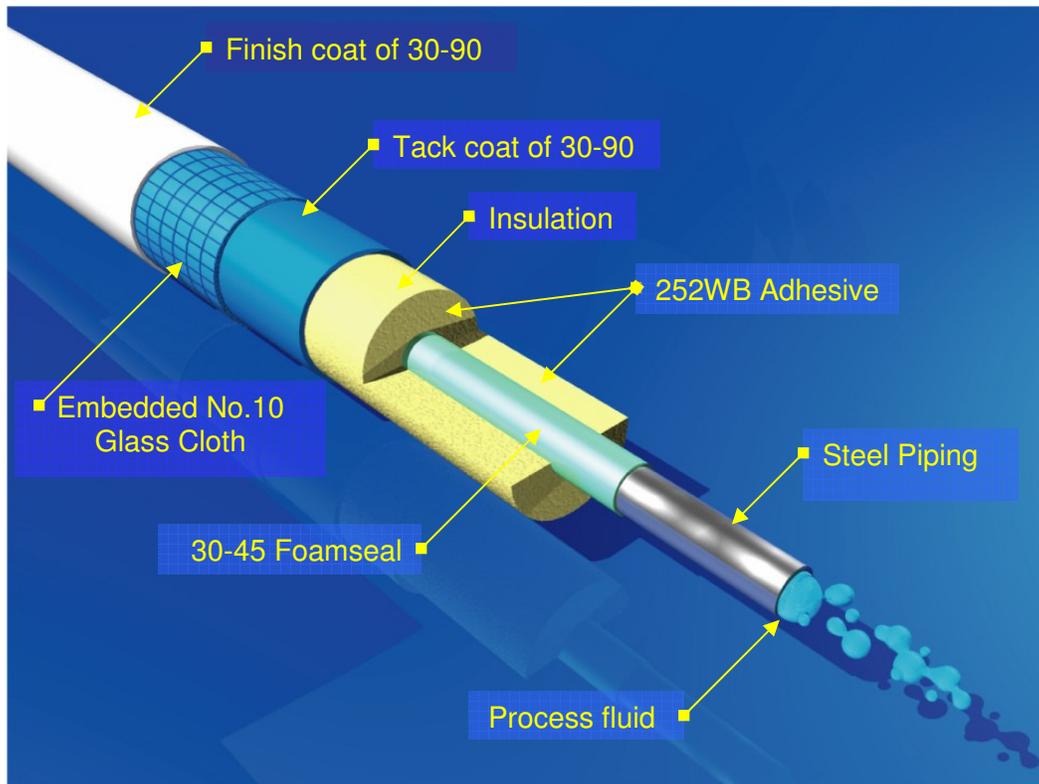
# H.B. Fuller



16-22 Red Gum Drive ■ Dandenong South, Vic 3175 Australia ■ Ph: 1800-423-855 ■ Fax: 1800-420-055 ■ www.fosterproducts.com

## Specification No. 2.1: Cold Work insulation

<b>Vessel Temperature:</b>	-20°C to 15°C
<b>Insulation used:</b>	Polystyrene, Glass wool, Polyester
<b>Application:</b>	Internal/external light duty
<b>Examples:</b>	Chilled water piping; coolant/refrigerant lines



1. Ensure pipe surface is clean, dry and free of rust, grease, and oil.
2. Apply Foster® Foamseal™ 30-45 to steel pipework at a coverage rate of 2.5 lt/m<sup>2</sup>. Do not thin.
3. Attach pipe sections using Foster® 252WB™ applied to all surfaces at a rate of 0.5 lt/m<sup>2</sup>, including longitudinal and butt joints between sections. Press insulation into pipe and other sections to remove air bubbles and ensure the absence of gaps.
4. Flash insulation sections using Foster® Foamseal™ 30-45 at a wet film thickness of 3.2mm.
5. Apply a tack coat of Foster® Vapour-Safe™ 30-90 to entire external surface of insulation at a coverage rate of 0.8 lt/m<sup>2</sup> (wet film thickness of 0.8mm).
6. Embed No.10 glass cloth into wet coating, overlapping all seams by 50mm. Smooth out all wrinkles.
7. Within ½ hour after tack coat application, apply a finish coat of Foster® Vapour-Safe™ 30-90 at a coverage rate of 0.8 lt/m<sup>2</sup> (wet film thickness of 0.8mm).

Note: Foster® Foamseal™ 30-45 sealant is not suggested for direct contact with copper, aluminium or plastic piping.



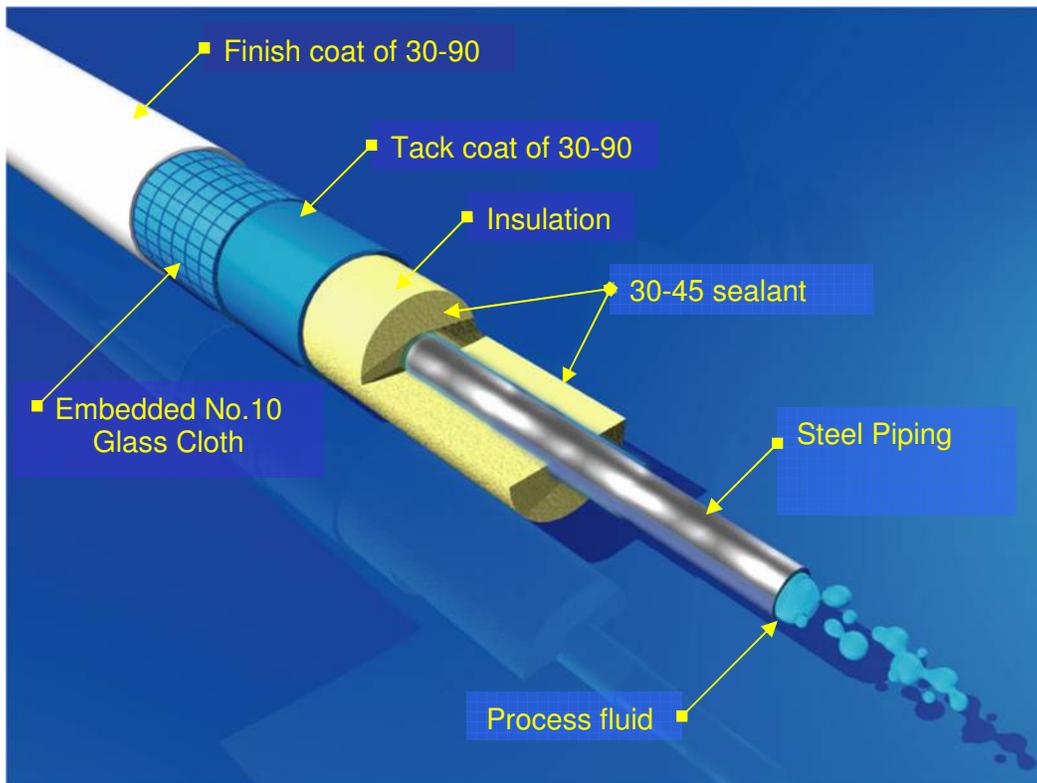
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## Specification No. 2.2: Cold Work insulation

<b>Vessel Temperature:</b>	-73°C to 15°C
<b>Insulation used:</b>	Polyurethane
<b>Application:</b>	Internal/external light duty
<b>Examples:</b>	Refrigerant lines, freezers



1. Ensure pipe surface is clean, dry and free of rust, grease, and oil.
2. Seal all joints between insulation sections using Foster<sup>®</sup> Foamseal™ 30-45. Flash insulation sections using Foster<sup>®</sup> Foamseal™ 30-45 at a wet film thickness of 3.2mm.
3. Apply a tack coat of Foster<sup>®</sup> Vapour-Safe™ 30-90 to entire external surface of insulation at a coverage rate of 0.8 lt/m<sup>2</sup> (wet film thickness of 0.8mm).
4. Embed No.10 glass cloth into wet coating, overlapping all seams by 50mm. Smooth out all wrinkles.
5. Within ½ hour after tack coat application, apply a finish coat of Foster<sup>®</sup> Vapour-Safe™ at a coverage rate of 1.6 lt/m<sup>2</sup> (wet film thickness of 1.6mm).

Note: Foster<sup>®</sup> Foamseal™ 30-45 sealant is not suggested for direct contact with copper, aluminium or plastic piping.