

PITTSBURGH CORNING FOAMGLAS® INSULATION ACCESSORIES

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PITTWRAP® JACKETING PRODUCT DATA SHEET

IMPORTANT: MATERIAL SAFETY DATA SHEETS ARE AVAILABLE AND SHOULD BE READ BEFORE USING THIS PRODUCT.

DESCRIPTION:

PITTWRAP® jacketing is a heat sealable, multiply laminate for protecting underground FOAMGLAS® insulation systems for outer surface temperatures below 190°F.

PITTWRAP® jacketing consists of three layers of a polymer modified bituminous compound separated by glass fabric reinforcement and aluminum foil. An outer layer of polyester film is laminated to the bituminous compound. An outer layer of polyester film is laminated to the bituminous compound. A release paper prevents sticking in the roll before use.

*TYPICAL PROPERTIES

Color:	Black
Thickness, mils (mm):	125 (3)
Weight, ft ² , lbs (kg/m ²):	0.66-.69 (3.2-3.4)
Width, inches (cm):	23 3/8 (59.4)
Roll Length, ft, (m):	50 (15.24)
Sq.Ft/Roll, (m ²)	100 (9.3)
Roll Weight, lbs, (kg):	66-69 (29.9-31.3)
Tensile Strength, lbs/in:	@ 78°F, 105 @ 20°F, 165

Application Temperature, min °F (°C):	20 (-7)
Service Temperature, °F:20 to 190 (°C):	(-7 to 88)

Butt Strips:	
Width, inches (cm):	4 (10.2)
Roll Length, ft (m):	50 (15.24)
Permeability, ASTM E96	
Perm inches:	0.002
Perms @ 125mils:	0.02

RESISTANCE:

Water:	good
Alkalies:	good
Acids:	good
Petroleum Solvents:	poor
Fire:	Combustible

This is a guide. Since conditions vary, consult Pittsburgh Corning if in doubt about chemical resistance.

MATERIAL APPLICATION:

Store PITTWRAP® jacketing in a cool area out of direct sun in hot weather. In cold weather, store in warm area prior to use to facilitate application.

APPLICATION:

PITTWRAP® jacketing may be shop or field-applied. In both cases, a cigarette-wrap application is used around FOAMGLAS® insulation with butt strips over the end joints. (See back page.)

All underground insulation systems must be designed with proper engineering details to control expansion/contraction, anchoring, etc. A qualified engineer should be consulted for design.

FITTINGS OR CHANGES IN THICKNESS:

With any jacketing or coating, any change in insulation thickness, such as screwed ell covers, pipe stepdowns, etc., should be field-tapered to make a smooth transition. Fittings may be covered with jacketing cut in shapes to fit, or with PITTCOTE® 300 finish (FI-120) and PC® Fabric 79 (FI-159). When finish is used, stop the last full section of jacketing 4" (10cm) short of the change in thickness or beginning of curvature. The polyethylene film on the PITTWRAP® jacketing must be flashed off a minimum of 2". Over the bituminous surface, apply a tack coat of PITTCOTE® 300 finish 2-3 gallons/100 ft² (0.8-1.2 l/m²) and embed PC® Fabric 79, lapping jacketing a minimum of 2" (5cm). After one hour, apply a second coat of finish 2-3 gallons/100 ft² and a second layer of fabric. Apply a top coat of finish 2-3 gallons/100 ft² so that no fabric is visible when dry. Total wet thickness should be _" minimum. If backfilling takes place less than 24 hours after PITTWRAP® 300 finish is applied, roofing felt shall be placed over the coating.

The second and succeeding sections are placed in the same manner, tightly butting the edges. All longitudinal joints should be started on the same line to facilitate later placement of butt strips.

LIMITATIONS:

DO NOT use over combustible insulations or install where open flames are not permitted.

Do not use above ground without a metal jacket.

Do not use in areas where jacketing will be exposed to temperatures in excess of 190°F (88°C).

Do not use where jacketing will be exposed to solvents that will dissolve asphalt.

Observe practical precautions when backfilling so not to puncture jacket.

This material is designed for application only for professional, trained personnel using proper equipment and is not intended for sale to the general public.

STORAGE:

Store in a heated area for cold weather application.

SHIPPING:

DOT Hazard Class: None

CAUTION:

This material is intended to be used only with FOAMGLAS® insulation and in conformity with Pittsburgh Corning's standard instructions. Be sure you have read and understand all instructions and Material Safety Data Sheets before using. Material Safety Data Sheets should be considered part of this product data sheet.

WARNING:

THIS PRODUCT CONTAINS A MATERIAL THAT HAS BEEN CLASSIFIED AS CARCINOGENIC TO HUMANS BY THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) AS GROUP 1.

INGREDIENTS:

	CAS#
Asphalt	8052-42-4
Heavy Parafinic Distillate	
Solvent Extract	64742-04-7

IRRITANT:

Repeated or prolonged contact may irritate skin. Wear gloves. If heated, fumes are irritants to eyes, nasal and respiratory tract.

HARMFUL OR FATAL IF SWALLOWED.

COMBUSTIBLE:

Store in a cool area. Keep away from open flame or ignition sources.

FIRE HAZARD CLASSIFICATION:

Health: 1 Fire: 1 Reactivity: 1

Use torch with caution. Hot asphalt can cause burns. Wear suitable gloves, long sleeves, and goggles, if working overhead. Avoid breathing asphalt fumes.

Store and handle fuel tanks in accordance with existing regulations.

If metal bands are used directly over jacketing, place an extra strip of jacketing beneath the band and take care not to puncture jacketing.

KEEP OUT OF REACH OF CHILDREN

EQUIPMENT:

LPG Torch, regulator: Goss Kit KP118 with BP-5TE tip and EX128 extension.

LPG Tank: LP-20

LPG Hose: Goss HEF-25

Additional equipment: Gloves, pointed trowel, shears.

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Step-by-Step Instructions for Applying PITTWRAP® Jacketing



1 FOAMGLAS® Insulation installed with chalk line at three o'clock position.



2 Starting at edge of PITTWRAP® jacketing lap seal, apply butt strip half way around, lapping two inches on each side of butt joint.



3 Heat leading edge and half of PITTWRAP® jacketing.



4 Starting on the chalk line, press PITTWRAP® jacketing half way around FOAMGLAS® Insulation.



5 Burn off polyester film at lap seal for distance of 3" back PITTWRAP® jacketing.



6 Heat remaining half of PITTWRAP® jacketing, pull jacketing around, and make lap seal.



7 Remove release paper from PITTWRAP® jacketing butt strip.



8 Burn off polyester film for distance of 2" on each side of PITTWRAP® jacketing.



9 Heat leading edge and half of PITTWRAP® jacketing.



10 Starting at edge of PITTWRAP® jacketing lap seal, apply butt strip half way around, lapping two inches on each side of butt joint



11 Burn off polyester film for distance of 2" back at butt lap seal.



12 Heat remaining half of butt strip, pull it around, and make lap seal.



13 Heat-seal PITTWRAP® jacketing lap edges and butt strip edges around circumference until PITTWRAP® jacketing softens and flows together.

NOTE: Lap is closed with opening facing upward to allow softened coating to flow into open seam, providing a positive seal. This technique is the opposite of that for conventional jacketing materials.

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