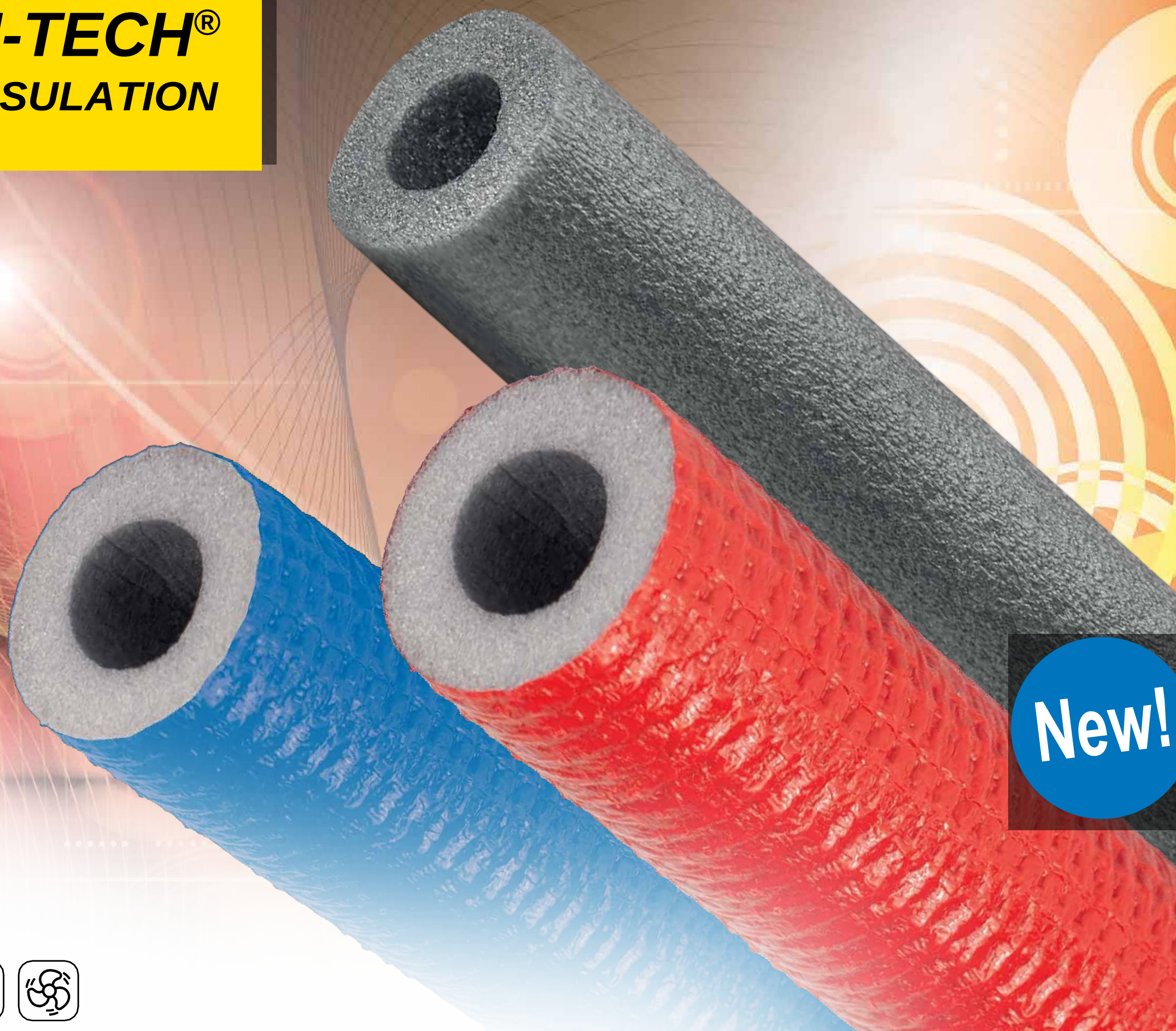


U-TECH® INSULATION

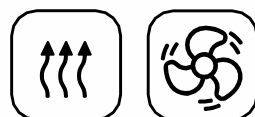


New!



U-TECH® EPE – PIPE INSULATION

- Manufactured specifically for insulation of heating/ air conditioning pipes and underfloor installations
- Excellent mechanical strength and resistance to compression
- Tear resistant
- Quick to install



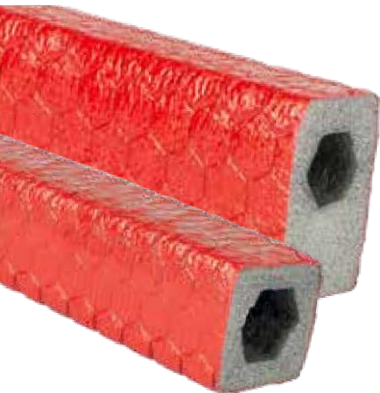
TECHNICAL DATA



U-TECH® EPE PLUS TECHNICAL DATA		
Property	Value	Test method
Temperature range	+100°C	EN 14707
Thermal conductivity λ W/(m·K)	+10 °C=0,036 +40 °C=0,040	EN ISO 8497
Corrosion prevention	pH neutral (7)	
Fire rating	U-TECH® EPE: Euroclass D _{s1} , d0 U-TECH® EPE PLUS: Euroclass B _{s1} , d0	EN 13501-1
Ecological data	Without CFCs and HCFCs	
U-TECHFOAM® reserves the right to change data and technical requirements without notice.		



U-TECH® EPE COLOR/EPE PLUS COLOR TECHNICAL DATA		
Property	Value	Test method
Temperature range	+100°C	EN 14707
Thermal conductivity λ W/(m·K)	+10 °C=0,036 +40 °C=0,040	EN ISO 8497
Corrosion prevention	pH neutral (7)	
Fire rating	U-TECH® EPE COLOR: Euroclass D _{s1} , d0 U-TECH® EPE PLUS COLOR: Euroclass B _{s1} , d0	EN 13501-1
Ecological data	Without CFCs and HCFCs	
U-TECHFOAM® reserves the right to change data and technical requirements without notice.		



U-TECH® EPE QUADRO/RECTANGULAR TECHNICAL DATA		
Property	Value	Test method
Temperature range	+90°C	EN 14707
Thermal conductivity λ W/(m·K)	+10 °C=0,036 +40 °C=0,040	EN ISO 8497
Corrosion prevention	pH neutral (7)	
Fire rating	U-TECH® EPE QUADRO: Euroclass E _{s1} U-TECH® EPE RECTANGULAR: Euroclass E _{s1}	EN 13501-1
Ecological data	Without CFCs and HCFCs	
U-TECHFOAM® reserves the right to change data and technical requirements without notice.		



U-TECH® SOUNDSEAL TECHNICAL DATA		
Property	Value	Test method
Temperature range	+90°C	EN 14707
Thermal conductivity λ W/(m·K)	+10 °C=0,036 +40 °C=0,040	EN ISO 8497
Corrosion prevention	pH neutral (7)	
Fire rating	Euroclass E	EN 13501-1
Ecological data	Without CFCs and HCFCs	
U-TECHFOAM® reserves the right to change data and technical requirements without notice.		

GENERAL INFORMATION

U-TECH® EPE is an extruded polyethylene closed cell insulation tube, available in different diameters and thickness
U-TECH® EPE is ideal for heat insulation of pipelines of heating systems, cold and hot water supply, ventilation and air conditioning, and equipment.

U-TECH® XPE PLUS is an extruded polyethylene closed cell insulation tube with an improved fire classification rating. This product fulfils all the highest building standards in terms of fire reaction. It is available as fire/non fire retardant.
U-TECH® XPE PLUS CLIP-LOCK is ideal for heat insulation of pipelines of heating systems, cold and hot water supply, ventilation and air conditioning, and equipment.

U-TECH® EPE QUADRO/ RECTANGULAR The specific hexagonal shape of the hole can support the installer pulling the pipe easier trough the insulation keeping at the same time the pipe well constrained in the Quadro tube.

U-TECH® SOUNDSEAL is a polyethylene insulating product designed to insulate pipes in masonry works by reducing the noise transmitted by vibration.

U-TECH® EPE COLOR is a coextruded polyethylene closed cell insulation tube, available in different diameters and thickness, specifically designed for all those applications where an additional mechanical protection is required.
U-TECH® EPE COLOR is ideal for heat insulation of pipelines of heating systems, cold and hot water supply, ventilation and air conditioning, equipment, and underfloor applications.

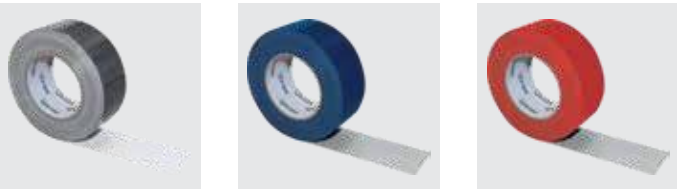
U-TECH® EPE PLUS COLOR is a coextruded polyethylene closed cell insulation tube with an improved fire classification rating, available in different diameters and thickness, specifically designed for all those applications where an additional mechanical protection is required. This product fulfils all the highest building standards in term of fire reaction.
U-TECH® EPE PLUS COLOR is ideal for heat insulation of pipelines of heating systems, cold and hot water supply, ventilation and air conditioning, equipment, and underfloor applications.

U-TECH® EPE QUADRO/ RECTANGULAR is ideal for heat insulation pipelines, cold and hot water supply and equipment. Specifically designed for under floor application.

U-TECH® SOUNDSEAL is designed to reduce the noise transmission of exhaust pipes in civil and industrial construction.

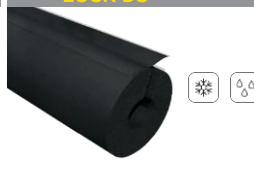
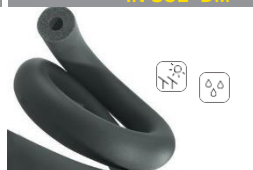
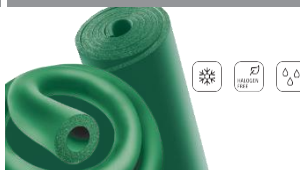
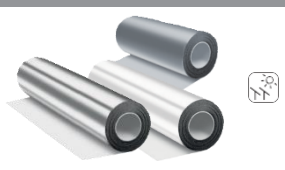
U-TECH® EPE PIPE RANGE			
	Length	Thicknesses	Diameters
U-TECH® EPE - Tubes	2 - 100 m	6-9-13-20-25-30 mm	from 15 to 114 mm
U-TECH® EPE PLUS - Tubes	2 m	6-9-13-20-25-30 mm	from 15 to 114 mm
U-TECH® EPE COLOR - Tubes and coils	2 m	4-6-9-13-20-25 mm	from 15 to 42 mm
U-TECH® EPE PLUS COLOR - Tubes	2 m	6-9-13-20-25 mm	from 15 to 42 mm
U-TECH® EPE QUADRO - Tubes	2 m	7 mm	from 15 to 35 mm
U-TECH® EPE RECTANGULAR - Tubes	2 m	25-26-27-38-46 mm	from 15 to 42 mm
U-TECH® SOUNDSEAL - Tubes in coils	from 45 to 150 m	5-9 mm	from 42 to 160 mm

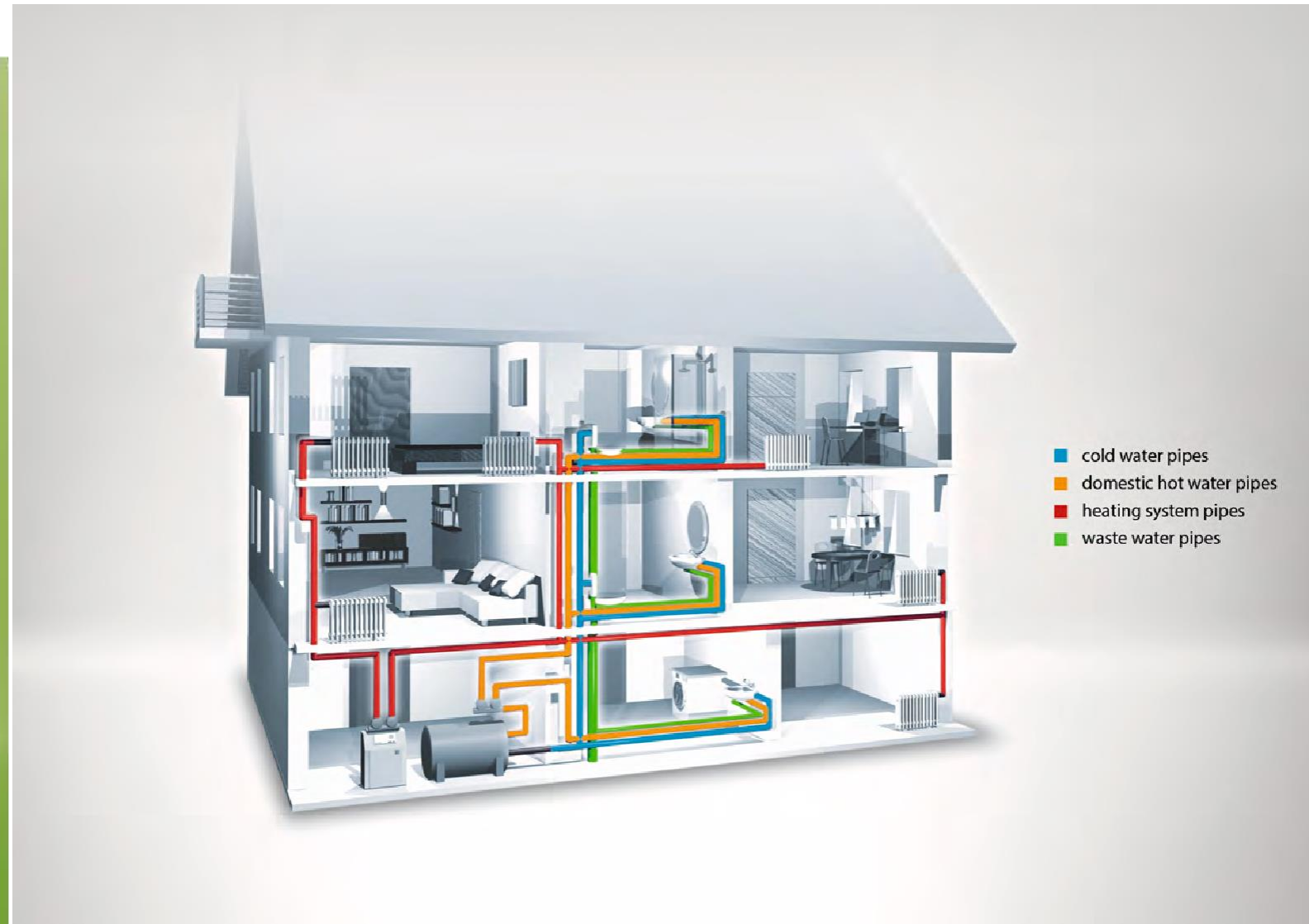
U-TECH® ACCESSORIES



U-TECH® CLOTHDUCT TAPE

U-TECH-SEAL® PRODUCT SELECTOR

U-TECH-SEAL® PRODUCT SELECTOR													
NEW!													
	U-TECH® XPE INSUL-TUBE®	U-TECH® XPE INSUL-SHEET®	U-TECH EPE / XPE INSUL-LOCK DS	U-TECH HT IN SUL- DM	U-TECH ECO®	U-FIT®	U-TECH CLAD®	U-TECH TITAN - UV RESISTANT	U-TECH DUCT® LINER GRAY	U-TECH® SOUNDSEAL	U-TECH® PE/PE - L	U-TECH® ACCESSORIES	
													
DESCRIPTION	Closed cell flexible elastomeric foam insulation tubes designed for use on HVAC/R commercial and Industrial process piping and equipment. The product offers a high resistance to moisture vapor intrusion and a low thermal conductivity. For most indoor applications, no additional jacketing is required.	Closed cell flexible elastomeric foam insulation sheets /rolls designed for use on HVAC/R and Industrial Process ductwork, vessels, equipment, and large ID piping (>8" IPS). The product offers a high resistance to moisture vapor intrusion and a low thermal conductivity. For most indoor applications, no additional jacketing is required.	Flexible closed-cell elastomeric insulation tube used to conserve energy and prevent condensation on piping applications. It is pre-slit with a factory-applied pressure sensitive modified-acrylic adhesive on the seam surface and a flexible PVC overlap tape with acrylic adhesive for double seam security.	EPDM-based closed-cell elastomeric insulation product used to conserve energy and prevent condensation on piping, vessels, and industrial equipment. For applications up to 300°F.	Halogen-free, closed cell flexible elastomeric foam insulation tubes and sheets / rolls designed for use on marine, commercial and industrial piping, tanks, vessels, and equipment. The product offers a high resistance to moisture vapor intrusion and a low thermal conductivity. As a halogen-free material, it is ideal for use on stainless steel applications or where corrosive smoke and environmental issues (toxicity) are critical.	Closed cell flexible elastomeric foam insulation in factory-made elbows and tees designed for use on HVAC/R pipe bends, intersections, and curvatures. Fittings are produced in a controlled manufacturing environment using an automated process to ensure uniformity, compression fit and water-tight seams.	Closed cell flexible elastomeric foam insulation in factory-made elbows and tees designed for use on HVAC/R pipe bends, intersections, and curvatures. Fittings are produced in a controlled manufacturing environment using an automated process to ensure uniformity, compression fit and water-tight seams.	U-TECH CLAD® AL A multi-ply laminate jacketing consisting of a PVC backing and aluminum foil that protects insulation from UV rays, mechanical abuse, moisture, and chemicals. U-TECH CLAD® WT A multi-ply laminate jacketing consisting of a PVC backing and aluminum foil coated with a white protective polyester film that protects insulation against damage from UV rays, mechanical abuse, moisture, and chemicals. *Include NSF seal* U-TECH® CLAD IN A patent pending, flexible, non-metallic, polymeric (CPE/PVC) barrier that provides superior protection against the most extreme environmental conditions. Available in grey. Jacketing is available in roll form for use on all insulation types or factory-adhered to U-TECH elastomeric tubes, sheets, and rolls.	Closed-cell elastomeric insulation (NBR/PVC) tube that is factory-adhered to a flexible polymeric jacketing material. The jacket offers excellent UV protection, flexibility, abrasion, and weather resistance, making it ideal for outdoor applications. 1-Step Install: No field applied protective coating or additional jacketing required	Closed cell flexible elastomeric foam insulation sheets /rolls designed for use as an acoustical / Thermal insulation liner in commercial and industrial HVAC ducts. The product offers excellent sound absorption, high resistance to moisture vapor intrusion, low thermal conductivity and does not require additional facing.	Flexible, non-reinforced, resilient mass-loaded elastomeric noise barriers. S-SEALK® GK is for general purpose applications and S-SEAL® GV is halogen-free for use on stainless steel, IMO-recognized marine applications and mass transit / Transportation applications. S-SEAL GK/GV may be laminated to other U-TECH insulation products and/or weathering jackets for specific application requirements.	U-TECH® PE is a polyethylene-based closed cell, flexible foam insulation meeting the requirements of ASTM C1427. The product is designed for use on plumbing lines.	U-TECH® Elastomeric Foam Tape Foam tape rolls with a smooth, black surface. U-TECH CLAD® Joint Sealing Tape Tapes for sealing joints and edges of Clad jacketing. U-TECH® Contact Adhesives (320, 373, 420, 620, 720 Low VOC) Air-drying, solvent-based adhesives for joining seams and joints. Available for quick (320, 620) or slow (373) drying, color preference, Low VOC (720), and high temperature use (420). U-TECH® 374 Protective Coating Water-based coating that provides UV protection. U-TECH® Insulated Pipe Supports 360° position free, rigid polyurethane core with elastomeric insulation collar and outer PVC jacketing with overlapping tab. U-TECH® Aluminum Foil Tape Used to seal joints and seams of HVAC ductwork. U-TECH® FSK Tape Used to seal joints and seams of FSK faced mechanical insulation.
AVAILABILITY	- Non-slit for slide-on applications - Thickness: 3/8" to 2" - ID: 14/6" to 32/12 - Length: 2m or continuous coils - Color: Black Technical Data referenced in this document pertains to U-TECH® black elastomeric insulation.	- S2S (skin-two-side) or Factory-applied PSA (adhesive) - Thickness: 3mm to 100mm - Sheets: 2m x 1m / 10m continuous roll - Rolls: 1m width - Color: Black / Grey	- Thickness: 1/2" to 2" - ID: 14/ 6" to 32/12 standard, 8" IPS special order - Length: 2m / 100m - Color: Black / Grey	Tubes - Thickness: 1/2" to 1" - ID: 14/6" to 32 / 12 standard, 6" IPS special order - Length: 2m / 100m Rolls - Thickness: 1/2" to 1" - Width: 4' - Color: Black	Tubes - Non-slit - Thickness: 1/2", 3/4", 1" - ID: 14/ 6" to 32 / 12 - Length: 2m / 100m Sheet/Roll - S2S (skin-two-side) or Factory-applied PSA (adhesive) - Thickness: 3mm to 100mm - Sheets: 2m x 1m - Rolls: 1m width - Color: Green / Black / Grey / Red	- Type: 90° long radius elbows and tees - Thickness: 1/2" to 2" - ID: 3/8" to 6" IPS - Color: Black Technical Data referenced in this document pertains to U-TECH® fittings made from U-TECH® NBR/PVC-based black elastomeric insulation.	Jacketing Thickness: 0.012" (AL and WT) 0.045" (IN) - Size: 10m / 100m (AL and WT) or 100m (IN) width x 15m length - Color: Aluminum (AL), White (WT), Gray (IN) Jacket Factory-applied to Elastomeric Tube (Pre-Slit) - Thickness: 1" to 2" - ID: 1/2" to 8" IPS varies by wall thickness. Some sizes special order. - Length: 10m / 100m Jacket Factory-applied to Elastomeric Sheet / Roll - S2S (skin-two-side) or Factory-applied PSA (adhesive) - Thickness: 1/2" to 2" - Sheets: 2m x 1m; Rolls: 1.25m / 1.5m width	- Non-slit for slide on applications or pre-slit for retrofits. - Thickness: 1/2" to 1-1/2" - ID: 14/6 to 32/12 ID - Length: 2m or 100m coil - Color: Black	- S2S (skin-two-side) or Factory-applied PSA (adhesive) - Thickness: 3mm to 100mm - Sheets: 2m x 1m - Rolls: 48", 56.25", 59", and 60" widths - Color: Grey / Black	S-SEAL® GK - Mass (lb/ft²): 0.5, 1.0, 1.5 - Roll Width: 48" - Color: Black S-SEAL® GV - Mass (lb/ft²): 0.75, 1.5 standard, 1.0 special order - Roll Width: 48" - Color: Beige	- Semi-slit and self-seal (pre-glued) - Thickness: 3/8" up to 1" - ID: 14/6 up to 32/12 - Length: 2m to 100m - Color: Black / Grey	U-TECH® Elastomeric Foam Tape - Thickness: 1/8"; Width: 2"; Length: 30' U-TECH Clad® ALMT Joint Sealing Tape - Width: 2" or 4"; Length: 100' U-TECH® Contact Adhesives (320, 373, 420, 620, 720) 320 (amber) & 620 (black): 1/2 Pints, Pints, Quarts, Liters 373: Pints, Quarts, Liters 420 & 720: Quarts U-TECH® 374 Protective Coating - Gallons U-TECH® Insulated Pipe Supports - Thickness: 1/2" to 2" standard - ID: 3/8" to 6" IPS standard U-TECH® Aluminum Foil Tape - Width: 3" or 4"; Length: 50 yd U-TECH® FSK Tape - Width: 3" or 4"; Length: 50 yd	
PERFORMANCE CHARACTERISTICS	Temperature Range*: -297°F to +220°F Thermal Conductivity (k-value, ASTM C177): 0.242 Btu-in/(h-ft²-°F) @ 75°F mean Water Vapor Permeability (ASTM E96): <0.01 perm-in *For applications below -40°F, please consult U-TECHFOAM technical support.	Temperature Range*: -297°F to +220°F -40°F to +200°F (with PSA) Thermal Conductivity (k-value, ASTM C177): 0.242 Btu-in/(h-ft²-°F) @ 75°F mean R-Value: 1" = 4.2, 2" = 8.3 Water Vapor Permeability (ASTM E96): <0.01 perm-in *For applications below -40°F, please consult U-TECHFOAM technical support.	Temperature Range*: -40°F to +220°F (self-seal) Thermal Conductivity (k-value, ASTM C177): 0.242 Btu-in/(h-ft²-°F) @ 75°F mean Water Vapor Permeability (ASTM E96): <0.01 perm-in *For applications below -40°F, please consult U-TECHFOAM technical support.	Temperature Range: -297°F to 300°F Thermal Conductivity (k-value, ASTM C177): 0.263 Btu-in/hr.-ft²-°F Water Vapor Permeability: 0.1 perm-in	Temperature Range*: -297°F to +250°F Thermal Conductivity (k-value, ASTM C177): 0.27 Btu-in/(h-ft²-°F) Water Vapor Permeability (ASTM E96): <0.10 perm-in *For applications below -40°F, please consult U-TECHFOAM technical support.	Temperature Range*: -297°F to +220°F Thermal Conductivity (k-value, ASTM C177): 0.242 Btu-in/hr-ft² @ 75°F mean Water Vapor Permeability (ASTM E96): <0.01 perm-in *For applications below -40°F, please consult U-TECHFOAM technical support.	Temperature Range*: -297°F to +220°F High surface temperature: +175°F (IN only) Cold temperature flexibility (installation): -4°F (IN only) Thermal Conductivity (k-value, ASTM C177): See specific insulation. Water Vapor Permeability (ASTM E96): 0.001 perms (AL and WT) 0.08 perms (IN) Emissivity: 0.80 (AL and WT) 0.90 (IN) * For applications below -40°F, please consult U-TECHFOAM technical support.	Temperature Range*: -70°F to 220°F Thermal Conductivity (k-value, ASTM C177): 0.230 Water Vapor Permeability (ASTM E96): <0.01 perm-in UV test (ASTM G153) * For applications below -40°F, please consult U-TECHFOAM technical support.	NRC (ASTM C423): 0.55 (1") Temperature Range*: -297°F to +220°F -40°F to +200°F (with PSA) Thermal Conductivity (k-value, ASTM C177): 0.25 Btu-in/(h-ft²-°F) R-Value: 1" = 4.2, 1-1/2" = 6, 2" = 8 Water Vapor Permeability (ASTM E96): <0.06 perm-in *For applications below -40°F, please consult U-TECHFOAM technical support.	Temperature Range: -40°F to +158°F Sound Transmission Loss (ASTM E90): 21 dB: 0.5 lb/ft² (GK only) 25 dB: 0.75 lb/ft² (GV only) 26 dB: 1.0 lb/ft² 29 dB: 1.5 lb/ft²	Temperature Range*: -200°F to +200°F Thermal Conductivity (k-value, ASTM C177): 0.270 Btu-in/(h-ft²-°F) @ 75°F mean Water Vapor Permeability (ASTM E96): <0.05 perm-in *For applications below -40°F, please consult U-TECHFOAM technical support.	U-TECH® Elastomeric Foam Tape Temperature Range: -40°F to +200°F U-TECH CLAD® Joint Sealing Tape Water Vapor Permeance (ASTM E96): 0.001 perms U-TECH® Contact Adhesives (320, 373, 420, 620, 720) 320 & 620: Quick drying (2-4 minutes) 373: Slow drying (5-10 minutes minimum) 420: High heat resistance 720: VOC = 0 g/L; halogen-free U-TECH® 374 Protective Coating Resists UV for 2-3 years U-TECH® Insulated Pipe Supports Compressive Strength: 72 psi U-TECH® Aluminum Foil Tape Temperature Range: -31°F to 248°F U-TECH® FSK Tape Temperature Range: -31°F to 176°F	
SPECIFICATION COMPLIANCE	- ASTM C534 (Type 1, Grade 1) - ASTM E84 (25/50-rated to 2") - UL 94-5V (#300774) - Mil-P-15280, Form T (non-slit tube) - Factory Mutual Approved - Meets energy code requirements of ASHRAE 90.1 and 189.1 - UL GREENGUARD® Gold Certified - UL validated mold resistance	- ASTM C534 (Type 2, Grade 1) - ASTM E84 (25/50-rated to 2") - UL 94-5V (#300774) - Mil-P-15280, Form S (S2S sheet) - Meets energy code requirements of ASHRAE 90.1 and 189.1 - UL GREENGUARD® Gold Certified - UL validated mold resistance	- ASTM C534 (Type 1, Grade 1) - ASTM E84 (25/50-rated to 2") - UL 94-5V (#300774) - Mil-P-15280, Form T (non-slit tube) - Factory Mutual Approved - Meets energy code requirements of ASHRAE 90.1 and 189.1 - UL GREENGUARD® Gold Certified - UL validated mold resistance	- ASTM C534 Type 1 and 2, Grade 2 - ASTM E84 25/50-rated (to 1") - NFPA No. 101 Class A Rating - NFPA 90A, 90B	- ASTM C534 (Type 1 or 2, Grade 3) - ASTM E84 (25/50-rated to 3/4") - UL 94-5V (#362979) - EB 4013 (ISO 9001:2015) - IMO SOLAS - CMS Register - ABS - Transport Board of Steamship Inspection	- ASTM C534 (Type 1, Grade 1) - ASTM E84 (25/50-rated to 2") - Meets energy code requirements of ASHRAE 90.1 and 189.1 - UL GREENGUARD® Gold Certified (NBR/PVC) - UL validated mold resistance (NBR/PVC)	- ASTM E84 Class A (25/450-rated) (AL and IN) - ASTM E84 (25/50-rated) (WT only) - Meets requirements of ASTM C1136 Grade VIII (WT only) - ABS (IN only) - Det Norske Veritas (DNV) (IN only) - Register (IN only) - Norsok Standard R-004 ed 3 (par. 5.9 non-metallic jacket) (IN only) Jacket Factory-applied to Elastomeric Tubes, Sheets or Rolls - ASTM C534, Type 1 or 2, Grade 1 - UL GREENGUARD® Gold Certified (WT only) - NSF/ANSI Standard 169 (tubing only) (WT only) - IMO 61/67 part 2 & 5 (IN only)	- ASTM E84 Class A: 25/50 - IECC 2012/2015/2018 Compliant	- ASTM C1534 (Grade 1) - ASTM C534 (Type 2, Grade 1) - ASTM E84 (25/50-rated to 2") - Meets energy code requirements - UL GREENGUARD® Gold Certified - UL validated mold resistance	S-SEAL® GK/GV - ASTM E84 (25/50-rated) - without FSK - FMVSS 302 S-SEAL® GV only - ASTM E162: 25 max - ASTM E662: 100 max - IMO A653 (CE Marine) - IMO FTP Code Part 5 S-SEAL® GK only - UL 94-HB (#300774)	- ASTM C1427 Type I - ASTM E84 25/50-rated (to 1") - UL 94 HF-1 Flammability Classification (#E300774) - UL Greengard® Gold Certified	U-TECH® Elastomeric Foam Tape - ASTM E84 (25/50-rated) U-TECH CLAD® Joint Sealing Tape - ASTM E84 (WT: 25/50-rated; AL: 25/450-rated) U-TECH® Contact Adhesives 320, 620, 720: ASTM E84 (25/50-rated) 373: Mil-A-24179A Type 2, Class 1 720: EPA 40 CFR-59 sub part 1, SCAQMD Rule 1168 & LEED U-TECH® 374 Protective Coating - ASTM E84 (25/50-rated)	
													
	Thermal Conductivity	Acoustical	Condensation Control	Outdoor Protection	Halogen-Free								



U-TECH-JOINTFLEX™

Closed-Cell Polyethylene Joint Filler



Jointflex™ is a closed-cell polyethylene foam expansion joint filler used in concrete construction. The convenient tear-off strip incorporated into the product makes it easy to create a void when using cold-applied sealants. Jointflex is particularly ideal for isolation joints accommodating different horizontal and vertical movement between the pavement and a structure.

PERFORMANCE

Jointflex extends the service life of concrete by acting as an insulator in isolation and expansion joints, while acting as a bond-breaker for sealants. Jointflex is an ideal choice for concrete joint filler applications around footings, foundations, structures and curved or round bases and posts. Typical projects include walkways, parking decks, curbs and gutters, concrete slabs, swimming pools and driveways.

INSTALLATION

Prior to installing Jointflex, the joints should be cleaned per the sealant manufacturer's recommendations. Thoroughly remove any concrete form-release agents, curing compound residue, laitance, or any foreign materials. To ensure a good sealant bond, joints must be clean and dry when the new sealant is installed. Air compressors used for this purpose must be equipped with traps for removal of oil and moisture. When cold-applied sealants are required, the 1/2" tear-off strip can be removed to help control the amount of sealant required. Install Jointflex at the depth recommended by the sealant manufacturer with a blunt tool.

Care should be taken not to puncture or over-compress or stretch Jointflex during installation. Jointflex is not meant to be used with hot-pour sealants. Sealant compatibility should be confirmed by the sealant manufacturer. Compatibility characteristics of sealants in contact with sealant backings can be determined by ASTM C 1087 test method.

DESCRIPTION

Form : Flat strips

ASTM D 5249 TYPE: 2 - Strips of various thicknesses intended for use with cold-applied sealants

ASTM D 7174, TYPE: 1 - Closed-cell polyethylene foam filler, Temperature

Limits: -45°F to +200°F

Features

- Natural bond breaker
- Lightweight
- Water resistant
- UV resistant
- Easy to use
- Used with cold-applied sealants
- Clean product
- Inert
- Recyclable
- Reusable
- Made in South Africa (SA)

Specification Compliance

- Meets all requirements of the 1990 Clean Air Act - recyclable
- Is a "Domestic End Product" as defined in Buy Local (SA)
- Meets ASTM D 7174
- Meets ASTM D 5249 Type 2

PHYSICAL PROPERTIES

Property	Value	ASTM Test Methods
Density	<2.0 lbs./cu.ft.	D 545
Compression Strength (psi) Compressed 25% (to 75% of original thickness) and 85% (to 15% of original thickness)	Min. comp. at 25% >5 psi Max. compressed at 85% <300 psi	D 7174, D 545
Compression Recovery from 50% compression, min.	> 95%	D 7174, D 545
Extrusion At 50% compression, max.	<0.25 in.	D 7174, D 545
Water Absorption (volume %, max.)	<0.5%	D 545

PRODUCT INFORMATION

Product	Unit	Roll Length	Packaging	Unit Dimension
1/2" x 3"	Roll w/Tear Strip	50m'	12 Rolls Per Bag	3" x 20" x 20"
1/2" x 3-1/2"	Roll w/Tear Strip	50'm	10 Rolls Per Bag	3-1/2" x 20" x 20"
1/2" x 4"	Roll w/Tear Strip	50m'	10 Rolls Per Bag	4" x 20" x 20"
1/2" x 5"	Roll w/Tear Strip	50m'	6 Rolls Per Bag	5" x 20" x 20"
1/2" x 6"	Roll w/Tear Strip	50m'	5 Rolls Per Bag	6" x 22" x 22"
1/2" x 8"	Roll w/Tear Strip	50'm	5 Rolls Per Bag	8" x 22" x 22"
3/8" x 1"	Spool	1300'm	18 Spools/Pallet	18" x 18" x 30"
1/2" x 1"	Spool	1000'm	18 Spools/Pallet	18" x 18" x 30"

Note : various sizes are available - contact Utechfoam technical support

Storage: Store in a well ventilated area. Do not store products in direct sunlight. Keep away from heat sources and open flames.

U-TECH PROBOARD®



U-Tech® Protection Board is a semi-rigid, closed-cell polyethylene class-D hard-density foam and is used to protect the waterproofing membrane during backfilling.

PROFLEX®

PERFORMANCE

U-Tech Proboard, protects the waterproofing membrane for foundations and below grade applications such as slabs, bridges, tilt walls, foundation walls, decks, and parking garages. It will not absorb water, swell, and disintegrate and it extends the service life of the surface it is protecting.

U-Tech Proboard does not absorb water and has exceptional compression strength at >35 psi. It is very lightweight, and one person can easily carry multiple sheets. U-Tech Proboard does not leach and will not stain concrete.

INSTALLATION

U-Tech Proboard is installed using traditional installation methods. It is not easily punctured and holds up to sharp aggregate during backfilling and settlement. U-Tech Proboard is supplied in thicknesses of 3mm - 100mm. All sheets are 1m wide and come in 2m lengths.

Features

- Ultra-lightweight
- Moisture resistant
- Can be stored outside
- No waste due to breakage
- Traditional methods used for installation
- Clean product
- Flexible, bends around circular structures
- Inert
- Odor-free
- Recyclable
- Reusable
- Made in South Africa (SA)



VALUE

U-Tech Proboard is waterproof and can be stored outside. It will not break or flake due to weather elements. U-Tech Proboard lasts longer and is 100% recyclable.

U-TECH PROBOARD®

PHYSICAL PROPERTIES

Property	Value	ASTM Test Methods
Water Absorption	<1%	D 8139, D 545, D 1751
Compression Strength	>30 psi and <60 psi	D 8139, D 545, D 1751, D 1752
Compression Recovery	>80%	D 8139, D 545, D 1751, D 1752
Freeze Thaw Resistance	No Change	D 8139, C 666 (300 cycles)
Heat Resistance	392°F +/- 5°F	D 8139, D 5249
UV Weathering	No Change	D 8139, D 4329 (1000 hrs. Cycle A)
Extrusion	<0.1 in.	D 8139, D 545, D 1751, D 1752
Density	>3.5 lbs./cu.ft.	D 8139, D 545, D 1751, D 1752
Boiling in Hydrochloric Acid	No disintegration	D 545, D 1752
Expansion in Boiling Water	<1% expansion	D 545, D 1752
100% Recyclable	Yes	N/A
R-Value (per inch)	3.5	C 518
Out-Gassing (no. of bubble)	0	C 1253

PRODUCT INFORMATION

Product	Unit	Sheets per Pallet	Pallet / Size
Sheet			
60 Density	2m	120	600
90 Density	2m	120	1,200
120 Density	2m	80	400
150 Density	2m	80	800
200 Density	2m	60	300
200 Density	2m	60	600
200 Density	2m	40	200
200 Density	2m	40	400

U-TECH-SEALROD®

Closed-Cell Polyethylene Backer Rod



U-TECH SEALROD® is a closed-cell polyethylene foam backer rod used in building envelope and concrete construction. U-TECH SEALROD acts as a barrier, limits the depth of cold-applied sealant required and prevents excessive sealant use.

PERFORMANCE

U-TECH SEALROD limits the amount and depth of sealant applied into a joint and provides a form to assist cold-applied sealants in developing the proper shape factor to prolong the sealant service life. U-TECH SEALROD acts as a bond breaker to allow joint movement without undue stress to the sealant. It is commonly used in applications such as expansion and contraction joints, curtain walls, construction partitions, parking decks and bridge construction.

U-TECH SEALROD is an inert material, and therefore, it is physically and chemically compatible with virtually all known cold-applied sealants including self-leveling types. Sealant compatibility should be confirmed by the sealant manufacturer. Compatibility characteristics of sealants in contact with sealant backings can be determined by ASTM C 1087 test method. U-TECH SEALROD can be used without a bond breaker with no impact on the long term performance of the sealant.

INSTALLATION

Prior to installing U-TECH SEALROD, the joints should be cleaned per the sealant manufacturer's recommendations. Thoroughly remove any concrete form-release agents, curing compound residue, laitance or any foreign materials. To ensure a good sealant bond, joints must be clean and dry when the new sealant is installed. Air compressors used for this purpose must be equipped with traps for removal of oil and moisture. Install U-TECH SEALROD with a blunt tool to the depth recommended by the sealant manufacturer.

Care should be taken not to puncture or over-compress U-TECH SEALROD during installation. Proper size selection is important as it controls the depth of the sealant bead. It must be oversized (25-50%) to fit tightly into the joint and function as a bond-breaker to prevent back-side adhesion of the sealant. U-TECH SEALROD is not meant to be used with hot-pour sealants.

DESCRIPTION

Form : Round Foam Rod.

Type : 2C- Per ASTM C 1330. Cylindrical, flexible sealant backings composed predominantly of closed cell material per ASTM C 1330 for use with cold applied sealants.

Type : 3 - Per ASTM D 5249. Round rods of various diameters for use with cold-applied joint sealants.

Temperature Limits : -45°F to +160°F.

Features

- **Lightweight**
- **Water resistant**
- **Non-exuding**
- **Easy to use**
- **Use with cold-applied sealants**
- **No bond breaker needed**
- **Clean product**
- **Inert**
- **Recyclable**
- **Made in South Africa (SA)**

Specification Compliance

- **Meets all requirements of the 1990 Clean Air Act - recyclable**
- **Is a "Domestic End Product" as defined in Buy Local by brand SA.**
- **ISO 9001:2015**

U-TECH SEALROD®

PHYSICAL PROPERTIES

Property	Value	ASTM Test Methods
Density lb/ft ³ (kg/m ³), avg.	1.5-3.0 (24-48)	D 1622
Outgassing (No. of Bubbles)	> 1	C 1253
Compression Recovery, %, min	> 96	D 5249
Compression Deflection psi (kPa)	5.5 (38.2)	D 5249
Tensile Strength psi (kPa)	> 29 (200)	D 1623
Water Absorption (g/cc)	< .03	C 1016 Procedure B

PRODUCT INFORMATION

	Product	Unit	Roll Length	Joint Dimension
SPOOLS	1/4" (6 mm)	Spool	3200' (975 m)	3/16" or less (5 mm or less)
	3/8" (10 mm)	Spool	1800' (549 m)	1/4" (6 mm)
	1/2" (13 mm)	Spool	2500' (762 m)	3/8" (10 mm)
	5/8" (16 mm)	Spool	1550' (472 m)	1/2" (13 mm)
	3/4" (19 mm)	Spool	1100' (335 m)	5/8" (16 mm)
	7/8" (22 mm)	Spool	850' (259 m)	1 1/16" (18 mm)
	1" (25 mm)	Spool	550' (168 m)	3/4" (19 mm)
	1-1/4" (32 mm)	Spool	400' (122 m)	7/8" (22 mm)
HANDY PACKS	1/4" (6 mm)	Handy Pack	2500' (762 m)	3/16" or less (5 mm or less)
	3/8" (10 mm)	Handy Pack	1400' (427 m)	1/4" (6 mm)
	1/2" (13 mm)	Handy Pack	800' (244 m)	3/8" (10 mm)
	5/8" (16 mm)	Handy Pack	550' (168 m)	1/2" (13 mm)
	3/4" (19 mm)	Handy Pack	400' (122 m)	5/8" (16 mm)
POLY BAGS	1/4" (6 mm)	Poly Bag	500' (152 m)	3/16" or less (5 mm or less)
	3/8" (10 mm)	Poly Bag	300' (91 m)	1/4" (6 mm)
	1/2" (13 mm)	Poly Bag	200' (61 m)	3/8" (10 mm)
	5/8" (16 mm)	Poly Bag	150' (46 m)	1/2" (13 mm)
	3/4" (19 mm)	Poly Bag	550' (168 m)	5/8" (16 mm)
6 FT CUT LENGTHS	1-1/2" (38 mm)	6 Foot Cut Length	552' (168 m)	1-1/8" (29 mm)
	2" (51 mm)	6 Foot Cut Length	360' (110 m)	1-5/8" (41 mm)
	2-1/2" (63 mm)	6 Foot Cut Length	240' (73 m)	2" (51 mm)
	3" (76 mm)	6 Foot Cut Length	144' (44 m)	2-1/2" (64 mm)
	4" (102 mm)	6 Foot Cut Length	90' (27 m)	3" (76 mm)
	5" (127 mm)	6 Foot Cut Length	48' (15 m)	3-3/4" (92 mm)
	6" (152 mm)	9 Foot Cut Length	72' (22 m)	4-1/2" (114 mm)

Storage: Store in a well ventilated area. Do not store products in direct sunlight. Keep away from heat sources and open flames.

U-TECH SEALROD XPE®

Cross-Linked, Closed-Cell
Polyethylene Backer Rod



U-TECH SEALROD XPE® is a cross-linked, closed-cell polyethylene foam backer rod used in building envelope and concrete construction. SEALROD XPE acts as a barrier, limits the depth of both hot-pour and cold-applied sealant required and prevents excessive sealant use.

PERFORMANCE

U-TECH SEALROD XPE can be used with hot-pour and cold-applied sealants and limits the amount and depth of sealant applied into a joint and provides a form to assist cold-applied sealants in developing the proper shape factor to prolong the sealant service life. SEALROD XPE acts as a bond breaker to allow joint movement without undue stress to the sealant. It is commonly used in applications such as expansion and contraction joints, curtain walls, construction partitions, parking decks and bridge construction.

SEALROD XPE is an inert material, and therefore, it is physically and chemically compatible with virtually all known hot-pour and cold-applied sealants including self-leveling types. SEALROD XPE can be used without a bond breaker with no impact on the long term performance of the sealant.

INSTALLATION

Prior to installing SEALROD - XPE, the joints should be cleaned per the sealant manufacturer's recommendations. Thoroughly remove any concrete form-release agents, curing compound residue, laitance or any foreign materials. To ensure a good sealant bond, joints must be clean and dry when the new sealant is installed. Air compressors used for this purpose must be equipped with traps for removal of oil and moisture. Install SEALROD XPE with a blunt tool at the depth recommended by the sealant manufacturer.

Care should be taken not to puncture, over-compress or stretch SEALROD XPE during installation. Proper size selection is important as it controls the depth of the sealant bead. It must be oversized (25-50%) to fit tightly into the joint and functions as a bond-breaker to prevent back-side adhesion of the sealant. Sealant compatibility should be confirmed by the sealant manufacturer. Compatibility characteristics of sealants in contact with sealant backings can be determined by ASTM C 1087 test method.

DESCRIPTION

Form: Round Foam Rod.

Type: 1 - Per ASTM D 5249. Round rods of various diameters for use with cold-applied and hot-pour joint sealants

Temperature Limits: -45°F to +410°F.

Features

- Lightweight
- Water resistant
- Non-exuding
- Easy to use
- Use with cold-applied sealants
- No bond breaker needed
- Clean product
- Inert
- Recyclable
- Made in South Africa (SA)

Specification Compliance

- Meets all requirements of the 1990 Clean Air Act - recyclable
- Is a "Domestic End Product" as defined in Buy Local, (SA)

U-TECH SEALROD XPE®

PHYSICAL PROPERTIES

Property	Value	ASTM Test Methods
Density lb/ft ³ (kg/m ³), avg.	1.3 - 2.3 (20-37)	D 1622
Outgassing (No. of Bubbles)	> 1	C 1253
Compression Recovery, %, min	> 96	D 5249
Compression Deflection psi (kPa)	5.8 (39.9)	D 5249
Tensile Strength psi (kPa)	23.5 (162)	D 3575
Water Absorption (g/cc)	< .03	C 1016 Procedure B
Heat Resistance °F (°C)	392°F +/- 5°F (200° +/- 2.8°C)	D 5249

PRODUCT INFORMATION

Product	Unit	Roll Length	Joint Dimension
3/8" (10 mm)	Spool	3600' (1097 m)	1/4" (6 mm)
1/2" (13 mm)	Spool	2500' (762 m)	3/8" (10 mm)
5/8" (16 mm)	Spool	1550' (472 m)	1/2" (13 mm)
3/4" (19 mm)	Spool	1100' (335)	5/8" (16mm)
7/8" (22 mm)	Spool	850' (259 m)	5/8" (16 mm)
1" (25 mm)	Spool	550' (168 m)	3/4" (19 mm)
1-1/4" (32 mm)	Spool	400' (122 m)	7/8" (22 mm)
1-1/2" (38 mm)	Cut Length	552' (168 m)	1-1/8" (29 mm)
2" (51 mm)	Cut Length	360' (110 m)	1-5/8" (41 mm)

Storage: Store in a well-ventilated area. Do not store products in direct sunlight. Keep away from heat sources and openflames.

Note: Various custom made dimensions are available upon request - contact Utechfoam technical for assistance

U-TECH SEALTAPE XPE®

Cross-Linked, Closed-Cell
Polyethylene Sealing Strip/
Epdm/Eva/Neoprene foam



U-TECH SEALTAPE XPE® is a cross-linked, closed-cell polyethylene self-adhesive sealing strip suitable for all weather purpose. It is used as foam insulation tape, door seal strip, window weather sealing strip, HVAC, pipes, seal, sound proofing, craft tape etc.

DESCRIPTION

U-TECH SEALTAPE XPE is Ideal for industrial and residential use as our foam insulation tape is designed for both industrial and commercial use. You can use it for anything from doors, windows, vents, air conditioners, pipe insulation, plumbing, hvac and more.

Perfect Air-tight Seal. The foam tape can provide a complete airtight seal, soundproof, heat insulation, weatherproof, etc. This makes it ideal for weather stripping cabinets, insulation tapes for wraps pipes or an airtightly sealed metal panel is required.

Excellent Performance, you are guaranteed optimum durability every time you choose our door seal strip for your insulation needs. It offers excellent water resistance, weather resistance, temperature resistance and thermal insulation.

Adjustable and Flexible, the foam tape is made from EVA, XPE, EPDM & NEOPRENE foam, it is easy enough to customize and cut to size with scissors or blade, and bend easily and conform to any shape.

Strong Adhesive, we used a high quality, ultra-strong adhesive backing that ensures this insulation foam tape stays in place indefinitely once applied. You are therefore assured that it will not peel off.

SEALROD XPE is an inert material, and therefore, it is physically and chemically compatible with virtually all known hot-pour and cold-applied sealants including self-leveling types. SEALROD XPE can be used without a bond breaker with no impact on the long term performance of the sealant.

INSTALLATION

Prior to installing SEALTAPE - XPE, the applicable surface should be cleaned and dry, no oily or wet surfaces. To ensure a good sealant bond of the tape it must be applied once on the surface and not be removed. Very flexible strip can be bonded around corners & edges.

Features

- Lightweight
- Water resistant
- Non-exuding
- Easy to use
- Use with metal or dry surfaces
- No sharp objects needed
- Self-adhesive product
- Inert
- Recyclable
- Made in South Africa (SA)

Specification Compliance

- Meets all requirements of the 1990 Clean Air Act - recyclable
- Is a "Domestic End Product" as defined in Buy Local, (SA)



**EASY TO PEEL WITHOUT
LEAVING RESIDUE**

Clean the area to be
pasted before pasting, strong
stickiness, no residual glue



Cut as you like Can be cut at will
Flexible and versatile



Strong sticky adhesive

U-TECH SEALTAPE XPE®

PHYSICAL PROPERTIES

Property	Value	ASTM Test Methods
Density lb/ft ³ (kg/m ³), avg.	1.3 - 2.3 (20-37)	D 1622
Outgassing (No. of Bubbles)	> 1	C 1253
Compression Recovery, %, min	> 96	D 5249
Compression Deflection psi (kPa)	5.8 (39.9)	D 5249
Tensile Strength psi (kPa)	23.5 (162)	D 3575
Water Absorption (g/cc)	< .03	C 1016 Procedure B
Heat Resistance °F (°C)	392°F +/- 5°F (200° +/- 2.8°C)	D 5249

PRODUCT INFORMATION

Product	Unit	Roll Length	Joint Dimension
3/8" (10 mm)	Spool	3600' (1097 m)	1/4" (6 mm)
1/2" (13 mm)	Spool	2500' (762 m)	3/8" (10 mm)
5/8" (16 mm)	Spool	1550' (472 m)	1/2" (13 mm)
3/4" (19 mm)	Spool	1100' (335)	5/8" (16mm)
7/8" (22 mm)	Spool	850' (259 m)	5/8" (16 mm)
1" (25 mm)	Spool	550' (168 m)	3/4" (19 mm)
1-1/4" (32 mm)	Spool	400' (122 m)	7/8" (22 mm)
1-1/2" (38 mm)	Cut Length	552' (168 m)	1-1/8" (29 mm)
2" (51 mm)	Cut Length	360' (110 m)	1-5/8" (41 mm)

Storage: Store in a well-ventilated area. Do not store products in direct sunlight. Keep away from heat sources and openflames.

Note: Various custom made dimensions are available upon request - contact Utechfoam technical for assistance

U-TECH SEALING RODS / JOINLEX®

Applications

U-Tech® Protection Board is a semi-rigid, closed-cell polyethylene class-D hard-density foam and is used to protect the waterproofing membrane during backfilling.

FLEX®

PERFORMANCE

U-Tech Proboard, protects the waterproofing membrane for foundations and below grade applications such as slabs, bridges, tilt walls, foundation walls, decks, and parking garages. It will not absorb water, swell, and disintegrate and it extends the service life of the surface it is protecting.

U-Tech Proboard does not absorb water and has exceptional compression strength at >35 psi. It is very lightweight, and one person can easily carry multiple sheets. U-Tech Proboard does not leach and will not stain concrete.

INSTALLATION

Features

- Ultra-lightweight
- Moisture resistant
- Can be stored outside
- No waste due to breakage
- Traditional methods used for installation
- Clean product
- Flexible, bends around circular structures
- Inert
- Odor-free
- Recyclable
- Reusable
- Made in South Africa (SA)



U-TECH EPE AND BUBBLE ROLLS

Suitable for packing & wrapping



PRODUCT DESCRIPTION

Expanded polyethylene foam (EPE) has straight bond structure, and it is produced with extrusion method with chemicals and inflator gas addition.

Compared to our cross-linked polyethylene foam product, non-cross linked polyethylene foam has straight bond structure, and it is produced with extrusion method with chemicals and inflator gas addition.

EPE foam products have a low thermal conductivity and closed cell structure. Because of closed cell structure, it has a high-water vapor diffusion resistance.

Main Features

- It has a closed cell structure, and it is water and moisture resistant.
- It has sound and heat insulation capacity.
- It is eco-friendly and does not contain HCFC and harmful/banned chemicals.
- It is compatible with RoHS (Restriction of Hazardous Substances) that limits the usage of lead and other toxic substances standards.
- It does not contain fungi or bacteria, it is odorless.
- It is not affected by chemicals or external environment conditions.
- It recovers itself after impact, does not cave in.
- It can be produced as a roll or sheet.
- Optionally:
 - It can be one-sided or double sided film tape and fabric laminated on special customer demand
 - It can be produced with flame-proof feature.
 - It can be produced in various colors.

- Provides perfect thermal insulation due to its low thermal conductivity.
- Assures a highly efficient barrier against water vapor.
- Prevent condensation.
- Highly flexible, provides easier and faster application.
- Good resistance to oils,
- CFC, HCFC free
- Does not sustain vermin, fungus, or mold

Areas of Usage

- Packaging
- Construction Industry
- Insulation
- Noise barrier
- Cushioning
- Protection of fragile products
- Insertion
- Furniture
- Food
- Industrial use
- Footwear and Bag

EPE – Expanded polyethylene rolls can be laminated with additional foams and backing foils & plastic to address soundproof requirements. Sizes are available in rolls of 1mm-100mm length & 1250m or 1500m width sizes and sheets of 2mx1m (LxW).

