

# REFRASIL<sup>®</sup> Tape

Woven • Wide woven • Slit



## **REFRASIL Woven, Wide Woven and Slit Tapes Proven in Numerous Applications Involving Thermal Insulation, Energy Savings, Safety and Electrical Insulation.**

With a long service life and greater thermal performance than other textiles, REFRASIL tapes lower your maintenance cost and provide high performance protection. In addition, REFRASIL's excellent dielectric strength makes it an outstanding high-temperature electrical insulator, while its chemical properties contribute to its resistance to oxidation and attack by most corrosive solutions.

Standard REFRASIL tapes are high silica (>96% SiO<sub>2</sub>) products intended for high temperature applications with continuous service up to 1800°F (982°C). Woven tape is available in "pre-shrunk" form, which is fired at 1800°F to reduce any further shrinkage in the service applications. Wide woven tape in thicknesses of .060" and .125" is produced as standard REFRASIL and is subject to shrinkage when exposed to sustained temperatures above 1800°F.

Irish REFRASIL extends the stability and flexible characteristics of standard REFRASIL slit tapes to 2300°F (1260°C). High excursion temperatures or "spikes" over 2000°F (1093°C) may cause embrittlement, but the REFRASIL continues to insulate. REFRASIL is relatively inert and resists most chemical attack. It provides outstanding protection in electrical insulation applications with good dielectric strength of 40 volts/mil of thickness.

REFRASIL includes a complete range of textile forms for protection against all these adverse conditions. And they're all non-asbestos materials.

### **Typical Applications -**

- Mop Curtains for continuous belt furnaces
- Electrical lead wire insulation
- Welding blanket edge & seam binding
- Cooling hose wrap insulation
- Instrumentation wire insulation
- Power cable insulation

### **Packaging -**

REFRASIL tape products are packaged as 50 or 100 lineal feet spools depending on type and thickness.

### **Availability -**

REFRASIL's textiles are available in a variety of product forms to suit each customer's specific needs - cloth, tape, sleeving, rope, yarn, cordage, batt and bulk fiber. All textiles can be purchased through a nationwide network of stocking distributors.

Distributed By:  
Arnil CFS, Inc  
15660 LaSalle Street  
South Holland, IL 60473  
phone: 708 339 6810  
fax: 708 339 0517  
www.arnilcfs.com

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REFRASIL Irish slit tape is spiral wrapped around water cooled skid pipe in steel mill slab reheat furnace, securing REFRASIL RB1800 blanket insulation, providing protection in environments up to 2300°F.

Adhesive backed<sup>®</sup> REFRASIL UT series slit tape makes application quick and easy.



## Slit Tape Properties

Product Description	Product Code	Nominal Thickness (in.)	Nominal Width (in.)
Standard Tape (w/adhesive)	UT48-2	.026	2
	UT96-2	.050	2
	UT96-4	.050	4
	AR48-2	.033	2
Abrasive Res. Tape (sealed edges)	AR48-4	.033	4
	AR96-2	.060	2
	AR96-4	.060	4
Irish Tape	2221-96-2	.052	2
	2221-96-4	.052	4

Available in rolls 100 ± 10% lineal feet. No roll contains more than 3 pieces with single pieces not less than 20 lineal feet.

Slit tapes are produced from Standard UC Series, AR Series, and Irish REFRASIL cloth. A standard 50 LY roll can be custom slit to any specified width for a special handling charge. Stock widths are 2" and 4". Standard tape is slit from UC Series cloth coated one side with pressure-sensitive adhesive protected by a release paper cover. The adhesive provides an aid to applying the tape in various field and shop conditions. Abrasion resistant AR Series and Irish slit tape have no adhesive; the edges are sealed with a refractory coating to prevent unraveling.

## Wide Woven Tape Properties

Product Description	Product Code	Nominal Thickness (in.)	Nominal Width (in.)
Standard Tape*	UT100-41	.060	1
	UT100-42	.060	2
	UT100-44	.060	4
	UT100-46	.060	6
Standard Tape**	UT100-81	.125	1
	UT100-82	.125	2
	UT100-84	.125	4
	UT100-86	.125	6

\*Nominal tape roll size 285 ± 10% lineal feet

\*\* Nominal tape roll size 265 ± 10% lineal feet

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