



PRODUCTS FOR OUR ENVIRONMENT

TECHNICAL DATA SHEET

ERS-400(T)

P/N: 040-0015

For Professional Use Only



PRODUCT DESCRIPTION:

ERS-400(T) is a high-strength, glass fiber felt impregnated with coal tar for maximum weatherproofing performance. It is specifically designed for use with ERS-Coal Tar and ERS-Hot Flex T and provides the toughness of a glass felt and compatibility with hot-applied, coal tar bitumens.

RECOMMENDED USES:

ERS-400(T) can be used as a ply sheet in the fabrication of Ecology Roof Systems' coal tar based, built-up roof assemblies.

ADVANTAGES:

- High quality, non-rotting ply sheet.
- Can be applied using conventional BUR equipment.
- Compatible with coal tar interply and floodcoat products.
- Meets the requirements of ASTM D 4990, Type I, for coal tar glass felts.
- Contains no asbestos.

APPROVALS:



INSTALLATION:

Application: ERS-400(T) Glass Fiber Felts are ply-lined at the time of manufacture to assist the applicator. It is important that the installer completely overlap, in shingle fashion, each ply to the desired line. To assure long service life, each ply of felt must be completely encapsulated in coal tar roofing pitch. Care must be taken that voids do not occur between the substrate and felts or between each layer of felts and that all plies are totally embedded. All plies should be installed at the same time. The surface pour coat of the completed membrane must be continuous without interruption and be applied within 14 days of the membrane application.

All felts should be unrolled evenly to avoid fishmouths and buckles. Foot and equipment traffic should be kept off the newly applied plies until the bitumen has had the opportunity to cool and set up.

COVERAGE:

Roll area – 540 sq.ft.; Roll coverage – 500 square feet.

PACKAGING:

ERS-400(T) is available in 5 sq. rolls, 36" x 180'; 20 rolls per pallet.

STORAGE:

As with most building components, ERS-400(T) which becomes wet or damaged can adversely affect the future performance of the membrane system. Care must be taken to keep the felt dry and clean.

PRECAUTIONS:

ERS-400(T) Glass Fiber Felts contain glass fibers and coal tar which require that caution be exercised during application. Proper dress and normal safety procedures recommended for installing a built-up roof will, for the most part, satisfy this product's requirements.

PRECAUTIONS continued:

Persons with sensitive skin may require additional protection. The user should not assume that all safety measures are indicated or that other safety measurements may not be required.

ERS-400(T) Glass Fiber Felts, when used with coal tar roofing pitch, should not be applied to roofs with slopes greater than ¼" per foot.

PHYSICAL PROPERTIES:

Property	Test Method	Result
Asbestos Content	EPA 600/R-93/116	0%
Thickness		0.9 mm (37 mils)
Breaking Strength, MD & XMD	ASTM D 4990	44 lbf/in, min.
Pliability, ½" radius bend @ 77°F	ASTM D 4990	Pass
Dry Mass of Coal Tar Impregnated Felt	ASTM D 4990	6.0 lb/100 ft ² , min.
Mass of Desaturated Glass Felt	ASTM D 4990	1.7 lb/100 ft ² , min.
Coal Tar Saturant	ASTM D 4990	3.0 lb/100 ft ² , min.
Moisture	ASTM D 4990	1%, max.
Parting Agent and Stabilizer	ASTM D 4990	3.0 lb/100 ft ² , min.
Area of Roll	ASTM D 4990	540 ft ² , min.

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