



PRODUCTS FOR OUR ENVIRONMENT

TECHNICAL DATA SHEET

ERS-400 Ply Sheet

P/N: 045-0080

For Professional Use Only



PRODUCT DESCRIPTION:

ERS-400 Ply Sheet is manufactured with a heavyweight fiberglass mat containing heat-cured resinous binders. The high strength glass mat is saturated with TYPE IV asphalt, giving ERS-400 Ply Sheet excellent strength and weathering characteristics, as well as a uniform porosity for ease in application.

RECOMMENDED USES:

ERS-400 Ply Sheet is a ply sheet used in hot mopped roofing applications and is a basic component of built-up smooth and gravel surfaced roofing systems requiring the ASTM D-2178 TYPE IV felt.

ADVANTAGES:

- Utilizes a roofing-dedicated asphalt to ensure premium roof system performance and durability.
- High quality, non-rotting ply sheet.
- Ease of handling – provides for a contractor friendly application.
- Contains no asbestos.
- Meets or exceeds the requirements of ASTM D 2178 for Type IV glass felts.
- Classified by Underwriters Laboratories Inc.® as to an external fire exposure only.
- Meets requirements of Factory Mutual Research Corporation® Standard 4470.

APPROVALS:



INSTALLATION:

Surface Preparation: In accordance with the particular job specifications, prepare surface to be covered.

Application: Plan placement of ERS-400 Ply Sheet to ensure that water will flow over or along, but not against exposed edges. Starting at low point of roof, apply uniform and continuous mopping of the specified hot-melt adhesive using a standard roofing mop or felt layer. To start and finish roof membrane along edges, termination and projections, use starting/finishing strips; 12", 24", and 36" wide plies with next ply lapped 24-2/3" for 3-ply membrane. Four ply membrane can also be constructed by installing starter strips of 9", 18", 27", and 36", with next applied ply overlapping 27-1/2".

Embed each ply in uniform and continuous mopping of specified hot-melt adhesive. Ply shall never touch ply. Apply specified hot-melt adhesive no more than ten feet ahead of each roll (less in cool weather). Lightly broom plies from unmapped side to ensure complete adhesion. Overlap previous day's work by 24". Lap ply sheet ends 6". Stagger end laps 4' minimum or when lap ends are in line, cover with two (2) plies of full width ERS-400 Ply Sheet. Do not walk on plies until adhesive has cooled. Install flashings as specified.

PACKAGING:

5 Sq. roll – 36" wide x 180' long; 20 rolls per pallet.

STORAGE:

One (1) year from date of shipment when stored in a cool, dry place, preferably indoors.

PHYSICAL PROPERTIES:

Property	Typical Value	Test Method
Breaking Strength	60 lbf/in. MD 55 lbf/in. XMD	ASTM D 2178
Pliability	PASS	ASTM D 2178
Ash	70 – 88%	ASTM D 2178
Bituminous Saturant	3.0 lb/100 ft ² , min	ASTM D 2178
Mass of Desaturated Felt	1.7 – 1.9 lb/100 ft ²	ASTM D 2178
Moisture	1.0% max	ASTM D 2178
Asbestos Content	0%	EPA 600/R-93/116
Fire Resistance	Class A	ASTM E 108 / UL 790
Adherent Comminuted Surfacing	2.5 lb/100 ft ²	ASTM D 2178
Dry Mass of Asphalt-Impregnated Glass Felt	6 lb/100 ft ² , min	ASTM D 2178

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