

PRODUCT IDENTIFICATION

PERMAROOF® MB HE BASE

#400HEBA150 (sold by pallet-20 rolls) 39 3/8" x 51'5"

SMOOTH SURFACED, HIGH ELONGATION POLYESTER REINFORCED MODIFIED BITUMEN BASE SHEET

Description

PERMAROOF MB HE Base is a smooth surfaced, high elongation modified bitumen sheet. It consists of specially selected bitumens, modified with compatible SBS elastomers and reinforced with a non-woven polyester mat. PERMAROOF MB HE Base is asbestos free. PERMAROOF MB HE Base meets ASTM 6164, Type I.

Uses

PERMAROOF MB HE Base is designed for applications in modified bitumen systems where a polyester reinforced base sheet is desired.

Limitations

PERMAROOF MB HE Base is not intended to perform under ponding conditions. Positive drainage required. PERMAROOF MB HE Base is not to be exposed to solvents, oils or other contaminants harmful to asphaltic materials. You must back nail on all roofs with slopes 2:12 (2"/foot) or greater.

Advantages

PERMAROOF MB HE Base resists thermal shock and splitting. PERMAROOF MB HE Base is strong yet very pliable to resist tears and splits.

General Application

Roof replacement usually involves more complexities than new construction roofing. Often encountered are situations such as rusted/deteriorated decks, rotted wood components, rooftop equipment which cannot be moved or shut down and numerous other conditions.

The following application information is designed to serve as a general guide. Detailed specifications should be prepared based upon each roof's conditions.

Structural Deck

Must be properly designed and structurally sound.

Drainage

Ponding conditions are unacceptable and will adversely affect performance of any roofing system. If positive drainage does not exist, water removal must be facilitated by lowering drains, and/or installing additional drains or tapered insulation.

Insulation

Insulation must be dry and kept dry. No more insulation shall be installed than can be covered that day. The use of Republic's Insulation Adhesive for solvent, free, fastener free insulation attachment is the preferred method of attachment unless otherwise specified.

Installation Procedures

According to job specifications, prepare the surface to be covered:

- Replace areas of wet insulation, deteriorated deck and wood components.
- Install roof insulation or nailed base sheet and multiply base ply system.

Plan the placement of PERMAROOF MB HE Base to ensure that water flows over or along, but not against, the exposed edges.

Starting at the low point of the roof, install the modified bitumen roof system according to specification.

Place PERMAROOF MB HE Base in a uniform and continuous application of adhesive. Side laps 4" (100mm) minimum; end laps 6" (150 mm) minimum.

TECHNICAL DATA

Thickness ASTM D 5147-91	0.094 in.
Tensile Strength @ 0°F ASTM D 5147-91	78 lbf/in. MD 80 lbf/in. XMD
Elongation at 0°F ASTM D 5147-95	60% MD 55% XMD
Low Temperature flexibility ASTM D5147-91	-15°F



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PERMAROOF[®] MB HE BASE

Offset base laps from membrane laps. Stagger ends 36" (approx. 1m) minimum. To assure complete and uniform adhesion, adhesive should exude past lap edges.

PERMAROOF MB Cold Adhesive or Type IV Asphalt are recommended as adhesives for PERMAROOF MB HE Base. Hot applied modified bitumen membranes require special application techniques under cool ambient temperatures and/or moderate wind conditions.

Precautions

Users must read container labels and Material Safety Data Sheets for health and safety precautions prior to use.

Maintenance

A scheduled, periodic maintenance inspection of the PERMAROOF MB HE Base installation is recommended. Punctures may occur through mechanical damage, vandalism, etc., and should be attended to as quickly as possible. Always follow NRCA standards.

Technical Services

Advice on technical concerns may be solicited any time by contacting Republic Powdered Metals Inc. For project start-ups where the contractor has received material and the work is to commence, it is necessary to coordinate the involvement of Republic's Independent Sales Representative and Technical Field Service Department. A



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The information provided on this data sheet is effective as of October 2005 and supersedes all previous data concerning this product and its application.

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