

PRODUCT IDENTIFICATION

PERMAROOF® MB HIGH TENSILE BASE

#400HTBA200 (sold by
pallet-20 rolls) 3' x 72'
/ 200 sq. ft. / roll

A SMOOTH SURFACED, HIGH TENSILE, TRILAMINATE REINFORCED MODIFIED BITUMEN BASE SHEET

Description

PERMAROOF MB High Tensile Base is smooth surfaced, modified bitumen base ply sheet constructed with a non woven fiberglass mat/fiberglass scrim/polyester trilaminate reinforcement. The asphalt ply coating is modified with an SBS elastomer. PERMAROOF MB High Tensile Base is asbestos free.

Uses

PERMAROOF MB High Tensile Base is designed for application in hot applied asphalt adhesives as a base ply for a modified bitumen roof system.

PERMAROOF MB High Tensile Base can also be used as a base ply or ply sheet in a cold process modified bitumen roof system.

Limitations

The use of phased construction techniques is not permitted.

Permaroof MB High Tensile Base must be cut and relaxed prior to application in cold process adhesive.

Not intended to perform under ponding conditions. Positive drainage is required. Not to be exposed to solvents, oils or other contaminants harmful to asphaltic materials. Backnail on roofs with 2:12 or greater.

Advantages

Permaroof MB High Tensile Base is compatible with modified bitumen membrane sheets. Permaroof MB High Tensile Base is a strong, non rotting ply with superior strength for long term performance. Permaroof MB High Tensile Base is a UL fire rated base sheet.

Coverage Rates

- Hot melt interply application 25 lb/100 sq.ft.
- Cold adhesive interply application 1.5-2.0 gal/ 100 sq. ft.

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 your 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, tapered insulation, or a Republic approved lightweight cellular insulating concrete slope system.

Insulation

Insulation must be dry and kept dry. No more insulation shall be installed than can be covered that day.

TECHNICAL DATA

Thickness ASTM D 5147-97	60 mils 1.5 mm
Tensile Strength @ 77°F ASTM D 5147-95	133 lbf/in. MD 151 lbf/in. XMD
Mass of Desaturated Glass Mat ASTM D 228-90a	2.5 lb/100 sq. ft
Asbestos Content EPA 600/R-13/116	None
Low temperature flexibility ASTM D 5147-95	-15°F



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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.

Application

Cut Permaroof MB High Tensile Base in 18 to 20' lengths maximum. Allow lengths to relax.

Above 55°F: 30 minutes minimum

Below 55°F: 60 minutes minimum

Embed the Permaroof MB High Tensile Base in a uniform continuous application of adhesive. Broom the sheet into the adhesive. Ply shall never touch ply.

Side laps 4" minimum; end laps 6" minimum. Offset membrane laps from the ply sheet laps. Stagger end laps at least 36". To assure complete adhesion at lap edges, adhesive should be visible past lap edges.

Overlap all previous work 24". Extend all plies to the top edges of all cants and cut off evenly. Install Flashings as specified.

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 High Tensile 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 field service representative will be dispatched to the project for start-up assistance and final inspection to ensure a proper installation.



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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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