

PRODUCT IDENTIFICATION

# PERMAROOF® MB TYPE VI PLY

#40060A500 (sold by pallet-  
20 rolls) 36" x / 500 sq. ft. /  
roll

A FIBERGLASS PLY SHEET WHICH EXCEEDS ASTM D2178 TYPE VI

## Description

PERMAROOF MB Type VI Ply is a heavy duty, non-rotting glass ply sheet that exceeds ASTM D 2178, Type VI.

## Uses

PERMAROOF MB Type VI Ply is designed for use as a ply sheet within a modified bitumen or built up roofing system for application over preformed rigid insulation or base sheets. It may be used with Type IV Hot Asphalt.

## Limitations

PERMAROOF MB Type VI Ply is not intended to perform under ponding conditions. Positive drainage is required. Do not apply when ambient temperature prevents installation of hot-melt adhesives within stated application temperature range. Do not expose to solvents, oils, or other contaminants harmful to asphaltic materials.

## Advantages

PERMAROOF MB Type VI Ply is non-rotting, provides a long service life, and is UL and FM approved for fire/wind protection. PERMAROOF MB Type VI Ply offers redundant waterproofing in a multi-ply system.

## 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.

### TECHNICAL DATA

<b>Breaking Strength ASTM D 146-97</b>	85 lbf/in. MD 85 lbf/in. XD
<b>Pliability, 1/2" Radius Bend ASTM D 146-97</b>	No failure
<b>Net Dry Mass of Asphalt Impregnated Glass Felt, Individual Rolls ASTM D 146-97</b>	12 lb/100 sq. ft.
<b>Mass of desaturated glass felt ASTM D 146-97</b>	2.4 lb/100 sq. ft.
<b>Bituminous saturant (asphalt) ASTM D 146-97</b>	8.2 lb/100 sq. ft.

## 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.

## 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 base sheet.

Plan placement of PERMAROOF MB Type VI Ply 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.

## Two ply base under PERMAROOF MB:

Start and finish roof membrane along edges, terminations and projections. Use starting/finishing strips: 18" and 36" wide plies.

Install PERMAROOF MB Type VI Ply in shingle fashion. Overlap starter strips 20" with first ply then overlap each succeeding ply 19".



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# PERMAROOF<sup>®</sup> MB Type VI Ply

## Three ply base under PERMAROOF MB:

Start and finish roof membrane along edges, terminations and projections, use starting/finishing strips; 12, 24, and 36" wide plies.

Install PERMAROOF MB Type VI Ply in shingle fashion. Overlap starter strips 26" with first ply, then overlap each succeeding ply 24-2/3".

## Interply Adhesive:

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 10' ahead of each roll. Lightly broom plies from unmopped side to ensure complete adhesion. Overlap previous work 24". Lap ply sheet ends 6". Extend all plies to top edges of all cants and cut excess evenly. Stagger end laps.

Avoid walking on plies until adhesive has cooled.

Interply application rate is 25 lb/100 sq. ft.  $\pm$  20%. Install flashing 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 Type VI Ply 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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