



Product Specification

ASTEC WPM #9 Waterproof Membrane

2/18/04

PRODUCT DESCRIPTION

ASTEC WPM #9 waterproofing is a fluid applied membrane which dries to a tough, yet flexible and monolithic surface that does not permit the passage of water. Applied as specified, WPM #9 is intended for use on roofs and walls – especially over seams, fasteners, joints, flashings, intrusions, and repairs. This product is intended as a base coat to be covered with an ASTEC ceramic coating for extended protection from ultraviolet and environmental degradation.

COMPOSITION

ASTEC WPM #9 is a 100% acrylic resin reduced with water. Since it is an undercoat, WPM #9 only comes in one color, light blue, tinted with titanium at a ratio of 1:19 pigment to binder.

DURABILITY

Applied as specified, a 10 mils thick dry film coating of ASTEC WPM #9 will remain durable for a minimum of 10 years due to its extremely high elongation and tensile strength. Although reported by users to last well without a topcoat, ICC specifies a protective covering of ASTEC ceramic coating. WPM #9 durability is therefore linked to the ceramic topcoat's surface integrity.

APPLICATION PREPARATION

Surfaces to be coated with ASTEC WPM #9 must be clean, structurally sound, and dry. All block, brick, metal, or masonry surfaces must be cleaned thoroughly and free of all efflorescence, dirt, or debris at each stage. Apply ASTEC #4000 Surface Conditioner as required in appropriate application specification. Rusted or bare metal surfaces must be also treated with ICC's B-16-71 Metal Primer prior to application. Masonry surfaces are

treated with ASTEC CMCE Masonry Primer. (See product specification.)

APPLICATION

May be applied by brush or roller. For better results, use a deep nap (1" or Longer) industrial roller. For wide area coverage use airless spray equipment that delivers at least two gal/min at no less than 3000 PSI to propel product through carbide or tungsten steel reversible tips ranging in size from .031 to .035.

ASTEC WPM #9 is NEVER reduced in water. Apply directly out of container. Recommended rates of coverage and dry film thickness vary by substrate and purpose. Usual specifications call for a two coat application over seams, flashings, and repair areas to a combined thickness of 20 mils or 41sf/gal. The WPM #9 is reinforced with embedded polyester cloth between these coats for optimum product performance. (See application specification.)

LIMITATIONS

Because this product is water based, application shall not begin during inclement weather; when precipitation appears imminent; when freezing conditions are imminent; or when freezing may occur within 24 hours.

It also requires at least two hours of full sun drying time before it can withstand exposure to heavy dew or light rain. No ponding at all within 48 hours of application. Application to new, hot mopped tar or other petroleum based materials must wait until after the petroleum has fully cured, usually 60-90 days. New metal surfaces must be free of grease and oily residues. Pressure wash with TSP, other detergent, or with vinegar. New mortar and or freshly poured concrete must be allowed to cure 30 days.

QUICK FACTS

Weight/gal	11.1 lbs.
Solid Contents	60% (by weight) 51% (by volume)
Coverage Rate	82 sf/gal
Dry Film Thickness	10 mils
Elongation Break	683%
Tensile Strength	792 PSI
Solvent Type	Water
Prime Pigments	Titanium
Flash Point	Non-Flammable
Average Dry Time @ 75°F	1-2 hours touch dry 48 hours full dry 21 days full cure



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MAINTENANCE

If used on a roof, check it every 6 months for structural damage and remove accumulated debris. Check ceramic finish coat annually for surface integrity. Repair any cuts, cracks or punctures according to General Requirements of Application Specification.

PACKAGING

Product comes in 2 and 5 US gallon buckets and in 30 and 55 US gallon barrels.

STORAGE

With proper storage, the shelf life of **ASTEC WPM #9** is 12 months. Do not store in direct sunlight, on roof prior to use, or near high heat sources. Air temperature of storage area shall be maintained between 40°F to 110°F. During long term storage, it is recommended that containers be turned upside down or shaken every 3 months to retard complete separation of solvents and solids.

WARRANTY

The technical data furnished herein is true and accurate to the best of our knowledge. However, no guarantee of accuracy is given or implied. ICC guarantees its products as to the quality control procedures used in their manufacture as of the date of sale. Specific warranties are available through ICC's Authorized Dealers.

HEALTH AND SAFETY

Product is non-toxic and non-flammable. See this product's Material Safety Data Sheet for further information.