

[Technical Bulletin]

Superior binding power and Stain Bleed Resistance.

A multi-functional preparation coat for new and aged construction surfaces.

PRODUCT TYPE:

Hydrocarbon free Acrylic Solution.

DESCRIPTION:

Unlike traditional solvent based acrylic solutions that contain hydrocarbon solvents, Multi-Seal is a clear water/alcohol/glycol based solution that offers the superior sealing and binding capabilities of traditional solution acrylics without the toxic release of hydrocarbon solvents to the atmosphere.

Multi-Seal offers outstanding sealing, binding and stain bleed resistance. When used as the first coat of a coating system for new and aged construction surfaces. **Multi-Seal** penetrates the surface and binds in any loose particles to the substrate ensuring the surface is free of contaminants that can ultimately cause adhesion failure of subsequent undercoats and protective finishes. **Multi-Seal** seals the surface and ensures that stains from such compounds as bitumen, tannin and water stains are sealed into the surface and will not bleed through subsequent acrylic top-coats.

The product has considerable use in the Architectural and maintenance painting industries as the first surface conditioning coat used to bind loose sanding particles and dust created during surface preparation.

Multi-Seal can be used for such things as a binder coat for chalky paint finishes, a stain sealer for water stains or a sanding sealer for new timber or for any substrate requiring new surface stability prior to the application of acrylic coatings. The use of **Multi-Seal** ensures the surface is stable and well bound and stain bleed resistant prior to the application of the protective finish and ensures the coating system remains well adhered over long periods of time.

PROPERTIES:

Unlike paint, **Multi-Seal** is a non film forming material, the product is designed to penetrate the substrate, (not coat it), and bind any loose surface particles to a hard finish.

Multi-Seal is formulated with the exact balance of viscosity and very low surface tension, allowing the product to penetrate deep within substrate. The product is hydrocarbon free and fast drying assisting in year round applications and has proven during rigorous test programs to maintain good intercoat adhesion with all Astec top coats.

The use of **Multi-Seal** on many thousands of square metres of plaster and mortar sidewalls has proven it to be a positive, cost effective answer to the sealing and binding of weathered or powdery construction surfaces prior to top coating.

KEY PROPERTIES

- Excellent Stain Bleed resistance.
- Outstanding contaminant binding.
- Excellent substrate wetting and penetration.
- Plasticizer free, (internally plasticized)
- Will form films at temperatures as low as 8°C.
- Rapid cure and bond strength.
- Excellent resistance to alkali and efflorescence.

PRINCIPAL USES:

- Binder/surface conditioner for old chalky paint.
- New and old masonry surfaces.
- Polyurethane and Vinyl based surfaces to stop plasticizer migration.
- Fibro cement sheet binder.
- Adhesion promoter to some plastics.
- Tannin bleed-stop sealer for timber.
- Brush and sanding sealer for timber,(prevents grain raising).
- Water stain sealer for ceilings and walls.
- Smoke stain sealer.
- Asphalt sealer.
- Nicotine stain sealer.

SUBSTRATE:

Correctly prepared new and aged plaster, cement based skim coats, renders precast concrete, timber, fibro, paper faced boards existing powdery membranes.

COLOUR RANGE:

CLEAR.

PREPARATION:

All surfaces must be clean, dry, free from large surface contaminants and structurally sound. Surface preparation may be carried out by the use of high pressure water cleaning, power buffing or scraping or vacuum cleaning. Mould and fungus infested walls should have sodium hypochlorite applied to the substrate prior to pressure washing. This process will kill any moulds and assist in their removal. Any structural cracks should be saw cut and struck smooth with a cementitious or low shrink grouting compound. With the surface clean and structurally sound, apply two coats of Astec Barrier and allow to dry prior to the application of any top coats or sealers. Astec Barrier will retard any under film mould spoilage.

If Unsure, Contact Astec for the correct preparation technique, sealers, primers and undercoats before proceeding.

MIXING:

- Thoroughly mix before use with a paint wacker or broad flat stick.

APPLICATION:

Apply straight from the drum by brush, spray or roller. Apply one flood coat sufficiently thick to uniformly wet and saturate the surface. Highly porous surfaces may require multiple coats to be applied wet on wet. *Care must be taken to ensure complete cover when the product is being used to seal in stains or plasticizers.* Any missed areas will allow satins to continue to bleed. For spray applications use a 515 to 518 tip. Any air or low pressure spray will atomise this material. For roller applications, a low nap synthetic roller is most suitable.

PRECAUTIONS FOR USE:

Highly flammable. Avoid heat, sparks, flame and contact with oxidising agents. Equipment should be earthed. Avoid contact with skin and eyes. Always use a respirator during applications.

LIMITATIONS

Multi-Seal is a part waterbased material, therefore, should not be applied during inclement weather or when precipitation or freezing are imminent.

PACKAGING

20 ltr open top pail.

WARRANTY

The technical data furnished herein is based upon data believed by Astec Paints to be true and accurate at the time of writing, however, no guarantee of accuracy is given or implied and is subject to change without notice. It is given in good faith for the assistance of users. No legal warranty expressed or implied is made as to its accuracy, completeness or otherwise. Every person dealing with this material herein does so at their own risk absolutely and must make independent determinations of suitability and completeness from all sources to ensure their proper use. We have no control over the condition under which these products are stored, handled or used, therefore our recommendations must not be regarded as a mounting to legal warranty or as involving any liability on us.

PRODUCT DATA;	
Gloss level	N/A
Drying Time at 25°C @ 200 MIC W.F.T.	30 min tack /1 hour dry
Recommended thinners	Do not thin.
Wash up	All Purpose Thinners
Recoat time at 25°C	1 to 2 hrs
Theoretical spread rate at D.F.T (8 microns Dry)	15 m ² per ltr
Theoretical spread rate to condition surface.	1.5 to 15m ² per ltr substrate dependant.
Specific gravity.	0.912
Volume Solids.	15% V/V
P.V.C.	0% V/V