

Armaflex Low Sheen Silicone Modified



PREMIUM EXTERIOR 100% ACRYLIC

TECHNICAL BULLETIN

PRODUCT TYPE

Premium Exterior 100% Acrylic/Silicone Modified.

DESCRIPTION

Armaflex Low Sheen S.M. is a water based, silicone modified 100% pure acrylic, protective and decorative coating that is formulated as non-splatter paint for exterior or interior walls, ceilings and trims. It is a rapid drying material with high film strength that exhibits good early resistance to moisture. Fortified with unique flow and levelling agents for excellent ease in application and resistance to brush marks, Armaflex dries to a hard wearing yet flexible film that bonds tenaciously to correctly prepared surfaces. Armaflex will 'breathe', adapting well to harsh freeze/thaw environments, and exhibits superior film set properties at temperatures as low as 12°C.

Armaflex Low Sheen S.M. is a premium product with superior exterior durability and long-term adhesion. Silicone blocked micro pores provide a surface that repels water, environmental contaminants and keeps the paint film free from the damaging effects of moisture, water beads and runs freely from the surface in contrast to being absorbed by conventional acrylics.

Armaflex Low Sheen S.M. It is ready for use without primer on timber, masonry, fibro, and aged galvanised metal. Armaflex S.M. does not contain any harmful solvents making it safe for continual spray or interior roll-on application.

Astec Paints are a 100% Australian owned company committed to the research and development of technologically advanced coatings that provide premium durability against our harsh Australian conditions. Our coatings are manufactured with high regard for worker safety and environmental care and will provide you with absolute confidence in long term performance.



PROPERTIES

Armaflex offers users outstanding ease in spatter free application from the viscosity control measures taken during the manufacturing process. The in can viscosity is that of a brushing grade coating yet, by the incorporation of additives, the flow characteristics during spray application make the product easy and fast to apply at even film builds.

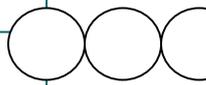
The Silicone modification provides the following additional benefits to Armaflex S.M:

- *Smoother film surface*
- *Enhanced environmental chemical resistance.*
- *Good dirt pick up resistance*
- *Excellent water beading, water runs off the wall tacking dirt particles with it.*
- *Enhanced weathering, (50% of all exterior damage to coating is attributed to water up-take).*

PREPARATION

All surfaces must be clean, dry, structurally sound and correctly sealed, primed or treated for rust prior to any topcoat application. The surface should be high pressure water cleaned to remove the moss, lichen and chalky surface, ensuring that all mould deposits are removed. Any deposits of grease, oil or silicone must be removed. Structural defects to the substrate should be made sound before any coatings application.

Remove dirt or dust and any grease with a Astec Envirogreen. Scrape off any loose or flaky paint on existing painted surfaces then sand any remaining paint to a flat finish. For best results, any paint that exhibits a complete lack of adhesion should be entirely removed except on asbestos sheeting. Wipe down with a damp cloth to remove any dust. Where it is not possible to remove all chalk or contaminants from the surface, apply Astec Multiseal or Rivett to bind the surface prior to painting. Rusted surfaces or nail heads should be treated with Astec Rus-traint. Fill any imperfections with a suitable filler and spot prime or seal any bare surfaces with the appropriate Astec primer as detailed in the following sections.



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APPLICATION

Apply one full wet coat of Armaflex Low Sheen S.M. at a recommended wet film thickness of 125 microns. Coverage will be approximately 8 to 12 m² per ltr substrate dependant. Allow to dry, usually between 1/2 an hour and 3 hours is required, weather dependant.

Apply a second full wet coat of Armaflex Low Sheen S.M. at a recommended wet film thickness of 125 microns. Coverage will be between 8 to 12 m² per ltr substrate dependant.

Recommended dry film thickness, 100 microns dry.

NEW TIMBER

Treat all nails with Astec Rus-traint allow to dry then fill all nail holes with a suitable wood filler. For optimum adhesion sand all dressed timber. On tannin rich timbers, (Oregon, Cedar ext), prime with Astec Oil Based Primer to prevent staining of light tinted colours. For maximum performance on all other timbers apply Astec Acrylic Primer Undercoat, sand smooth then apply two coats of Armaflex Low Sheen S.M..

WINDOW PAINTING

Use sparingly on all contact areas, open and close windows within 30 minutes and there after at 4 hour intervals over the following 24 hours.

NEW STEEL AND WROUGHT IRON

Remove any excessive rust with a scraper, wire brush or by sanding. Wipe clean and remove any grease with Astec All Purpose Thinners or Envirogreen. Apply Astec Rus-traint in accordance with the application details on its can. Apply two coats of Armaflex Low Sheen S.M..



100%
SILICONE MODIFIED
ACRYLIC

BRICK AND MASONRY

No primer required on surfaces that are in a sound condition, (that are not weathered to a point where the surface is friable or continues to powder ever after a wash down). If the surface is unsound apply Astec Rivett which will bind a soft wall to a hard finish. Walls in sound condition, wash down the surface with water and a stiff brush to remove all contaminants, fill all holes with a grouting cement. If the surface is mould covered wash down with Sodium Hypochlorite, (Chlorine), or a household bleach to remove the mould then apply Astec Barrier, an under film mould retardant. Apply two coats of Armaflex Low Sheen S.M.

P.V.C. Sand the entire surface and wipe down with Astec all Purpose thinners prior to any coating application.

GALVANISED IRON, ZINCALUME

New unpainted:

Degrease thoroughly with Astec Envirogreen, apply one coat of Astec B-16 Anti-corrosive primer then two coats of Armaflex Low Sheen S.M..

Previously painted:

Remove all loose, chalked and flaky paint. Treat any rust with Astec Rus-traint in accordance with the application details on its can. Apply two coats of Armaflex Low Sheen S.M.

FIBRO CEMENT

New unpainted: Wash down the surface with a stiff brush and water to remove any contaminants. Weathered asbestos sheeting: Do not sand or scrub the surface as the dust can be harmful to your health. Pick off any large clumps of mould or debris, apply two coats of Astec Barrier which will kill any mould growth, apply Astec Rivett in multiple coats until all contaminants are securely locked to provide a hard bound surface, (refer to Astec Performance Spec No. 8712). Apply two coats of Armaflex Low Sheen S.M.

NOTE Do not apply Armaflex Low Sheen S.M. to surfaces that have had wax or silicone based materials previously applied.

SAFETY DIRECTIONS Keep out of reach of children, provide adequate ventilation during use, do not dispose of left over paint down any drainage systems.

PRECAUTIONS FOR USE.

Avoid contact with skin and eyes, always use a respirator during spray applications.

FIRST AID

Eye contact: Flush immediately with large amounts of water for at least 15 minutes, holding eyelids open. Call a physician if irritation persists.

Swallowed: Call a physician immediately if swallowed. Give patient water to drink. Contact Astec Paints for the relevant Material Safety Data Sheet.

COLOUR RANGE

White, Mid and Accent bases available, may be tinted to most colours from pastel to deep tone.

LIMITATIONS

Armaflex is a water based material, therefore, should not be applied during inclement weather or when precipitation and freezing are imminent.

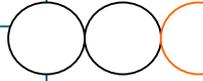
PRODUCT DATA



PREMIUM EXTERIOR 100% ACRYLIC S.M.



Low Sheen Level	Low Sheen
Recommended Thinners	Water
Touch Dry	30 mins
Dry @ 25 deg C, 50% RH	2 hours
Theoretical spread rate [@ 30 mic D.F.T.]	12.68 m ² /ltr
V.O.C. gm/ltr	Low < 5 grams/ltr
Solvent resistance	
Alcohol	No reaction
Salt water	No reaction
Distilled water	No reaction
Diluted Caustic Soda	No reaction
Detergent solution	No reaction
Dilute 5% mineral acid	No reaction
Accelerated weathering [2000 hrs 313 U.V.B.]	Excellent
Specific Gravity	1.335
Solids volume	38.0% V/V
P.V.C.	36.25.0% V/V
Moisture vapour transmission [Method ASTM E96-1966 Full top-coated system]	42.7g.m ² /24hrs
Contrast Ratio (Determined with X-RITE QA Management Software using SP-68 SPECTROPHOTOMETER.)	84.75%
Pack sizes	1, 4, 10, & 20 ltr



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