

ACRYLIC SEALER

INTRODUCTION

Acrylic Sealer is a pure acrylic coating for AC100. It is durable, flexible, and UV resistant. The formulation has been improved to make the material more Matt in appearance and easier to apply by brush or spray. Dependent upon prevailing conditions, products sealed with Acrylic Sealer will require re-coating at 6 –10 year intervals. It is also compatible with AC300, however it would not provide the same level of external protection.

Project specific advice can be obtained by calling our technical department on +44 (0)1588 630302.

APPLICATION

We recommend that two coats of Acrylic Sealer should be applied onto low porosity surfaces such as AC100, with the first coat being diluted with 10 – 20% water. Diluting the first coat will aid the chemical bond of the Acrylic Sealer onto the material surface. The second coat is applied once the first coat is touch-dry. Do not allow first coat to dry completely before applying the second coat. In principle the application of several thin coats is preferable to one thick coat.

Acrylic Sealer should be applied with a high quality brush or with a clean high quality dense foam roller evenly across the surface. Ensure that all surfaces are clean, dry, and free from any grease or oil.

Acrylic Sealer can also be diluted with water and pigmented using Jesmonite Paste Pigments to create colour washes to add a patina or to age casts.

FLEXIGUARD SEALER

INTRODUCTION

Flexiguard Sealer is a solvent-free, stain resistant formula specifically designed to coat porous substrates such as Jesmonite AC730 and AC830. Once applied, a protective layer less than 100-nm thick bonds with the inner pores of the substrate to leave a smooth, anti-stain, non-discolouring surface layer.

The coating is optically clear, UV stable, chemically inert and extremely durable, having both hydrophobic and oleophobic capabilities. It will not peel or flake and is unaffected by extremes of temperatures from -20°C to +350°C. Flexiguard offers protection against efflorescence, embedded and ingrained soiling, mould or fungal growth, abrasion and frost damage. It also protects against chemical attack, including oxide corrosion by acid rainwater, corrosion by salt and other climatic coastal and marine conditions.

APPLICATION

We recommend that Flexiguard Sealer is spray applied as a mist coat onto the surfaces of AC730, AC830 and AC930. It is important to ensure that all surfaces are clean, dry, and free from any grease or oil.

PENETRATING SEALER

INTRODUCTION

Penetrating Sealer is designed for use with all Jesmonite cement based materials. This includes AC730, AC830, AC930 and Flex Metal surfaces. The material provides invisible protection against water and oil, and also provides stain resistance against many liquids and environmental contaminants. We recommend its use where stain resistance is a priority.
Application

We recommend that two coats of Penetrating Sealer should be applied to the surface of Jesmonite cement based materials. The second coat is applied once the first coat is touch-dry. Do not allow first coat to dry completely before applying the second coat.

Penetrating Sealer should be applied with a high quality brush spread evenly across the material surface. Ensure that all surfaces are clean, dry, and free from any grease or oil.

STONEGUARD SEALER

INTRODUCTION

Stoneguard Sealer is a two-pack, pure acrylic sealer designed for many porous surfaces. It is supplied as a sealer labelled Part A, and a catalyst, Part B. The product is UV stable (non-yellowing), and is suitable for high traffic areas. The sealer is extremely stain resistant, and easily cleaned using basic soap-based cleaning products and warm water. It is suitable for external use, and will last for many years without maintenance. Re-application is straight forward, simply clean with soap and water and re-apply. It can be applied by brush, however for best results use a dense foam paint roller or suitable spray equipment. It is available in flat matt, satin and high gloss finishes.

The material is supplied as two liquid components, which should be mixed at a ratio of 5 parts sealer to 1 part catalyst by weight.

APPLICATION

Ensure that Part A is well shaken or stirred to incorporate any material that may have settled out into the bottom of the packaging. First weigh out Part A into a clean container. Then weigh out Part B catalyst into a separate container. NB. Do not weigh Part B catalyst into the same container as Part A as it will become lumpy.

When ready to use, pour Part B into Part A at a slow, steady trickle whilst stirring continuously. You can also use a drill and mixing blade but try not to incorporate too much air. Mix for at least 1 minute. Make sure that the catalyst is thoroughly mixed in before use.

Once the sealer is catalysed it is ready to use and should be applied with a clean high quality dense foam roller evenly across the surface. Ensure that all surfaces are clean, dry, and free from any grease or oil. On unsealed surfaces (e.g. AC100) of low porosity two coats are recommended with the first coat being diluted with 20% water.

The second coat is applied once the first coat is touch-dry. Do not allow the first coat to dry completely before applying the second coat. The sealer is touch dry within 30 minutes but will be cured after 24 hours. Do not walk on the sealer until it is cured.

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The above information and recommendations are based upon our experience and are offered merely for advice. They are offered in good faith but without guarantee, as conditions and methods of use are beyond our control. It remains the responsibility of the end user to determine the suitability of the materials for the particular purpose intended.

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THE KEY BENEFITS OF USING JESMONITE



Stronger

Strong, flexible and more durable, making it high impact resistant.



Finer

Replicates the very finest detail.



Greener

Water-based not solvent-based making it kinder to the environment.



Lighter

Lighter than stone, glass-reinforced concrete, sand and cement products – perfect for film sets.



Safer

Fire-resistant with a class zero fire rating, reduced smoke density and toxicity characteristics. Solvent free with no VOC's.



More choice

Can be pigmented to any colour or RAL reference. It can also mimic any texture and reproduce the effect of materials such as stone, metal, wood, leather and fabric.