

TECHNISPRAY PAINTS LTD.

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TECHNICAL DATA SHEET

KOLORBOND® AQUATEK - WATER BASED EXTERIOR/INTERIOR COATING

PRODUCT DESCRIPTION & USE

Based on proven exterior durable polyurethane/acrylic resins, this new water based, single pack (mono-component) finish for PVCu, hard plastics (including polyester powder coatings), GRP and primed wood is available in the full range of colours from British Standard, RAL and other international colour ranges, and gives an attractive satin finish.

Initially formulated for easy spray application, modifications have been made to enables the product to be brush applied, especially applicable for site application on re-furbishment projects.

PERFORMANCE

Based on exterior durable polyurethane/ acrylic resins, and utilising proven light fast pigments, the coating will given excellent exterior weathering properties, and has been tested in accordance with BS EN ISO4892-3: 2006 (QUV Test) using Lamp Type UVA351 accelerated weathering for 1600 hours.

In addition the applied coating exhibits good adhesion to the correctly prepared substrate and good hardness and scratch resistance. The coating is also supple and will not crack if the substrate bends.

SURFACE PREPARATION

Surface to be painted should be clean, dry, lightly abraded and free from any surface contaminants.

On new PVCu, the surface to be coated should be thoroughly wiped with Windowprep, using lint free cloths. The cloths should be changed regularly. Ensure the cleaner has thoroughly evaporated. Lightly abrade the surface of the substrate and wipe with tack cloth before application of the coating.

On refurbishment work, the surfaces must be thoroughly cleaned of any surface dirt using Vinylkleen and lightly abraded using a light abrasive material such as red Scotchbrite, before final cleaning with Windowprep applied by lint free cloth. Ensure the cleaner has fully evaporated before application of the coating.

TECHNICAL PROPERTIES

Viscosity: 3900-4500 mPa.s Brookfield 25° C. 60rpm

Supply Solids: 38% +/- 2%

Supply VOC: < 1%

Relative Density: 1.10

Coverage: spray coverage @ 25µ dry film - 10 m²/litre

APPLICATION INSTRUCTIONS

Gently stir the paint before use being careful not to generate air bubbles into the paint

Spray Application

Apply by spray; latest generation “water based compliant” spray guns recommended: follow gun manufacturers recommendation on atomising pressure etc. Apply 2 coats, allowing the first coat to dry to the touch before application of the second coat.

Coating can be applied at supply viscosity; can be thinned as required with up to 5% clean water.

Brush Application

Can be applied by Brush in one or two coats. Allow first coat to dry before re-coating. Use a brush suitable for water based gloss paints. Do not over brush. Thin with up to 5% clean water if required.

DO NOT apply in conditions of low temperature or high humidity. These conditions will affect application performance and will result in a poor finish, poor adhesion to the substrate and extended drying time.

DRYING/CURING

The coating is designed to air dry to a hard finish.

For on-site re-furbishment projects, only apply when conditions show a minimum temperature of 10°C, and a relative humidity below 70%. Can be force cured by carefully applying hot air or infra-red.

The coating will be dust dry/surface dry in 15 - 20 minutes, handleable after 40 minutes and hard dry after 24 hours.

Maximum adhesion and hardness is reached in 7 days at ambient temperatures.

In factory application, the coating can be force dried; typical force curing schedule 30 minutes @ 50°C.

STORAGE – HEALTH & SAFETY

Water Based Product: store at a minimum temperature of 5°C; **do not allow to freeze.**

Shelf life: 12 months Temperate; 6 months Tropical.

Before use, refer to Product Safety Data Sheet