Dulux DuSpec Datasheet

Dulux AcraTex Acra-Prime 501/1 Water Based NZDA0982

Part A	194-20809

Product Overview

DULUX Acra-Prime 501/1 water based acrylic primer/sealer conditions the surface and unifies substrate porosity.

Features And Benefits

- Water based
- Penetrates masonry surfaces
- Seals masonry surfaces
- Easy application and clean up.
- Foundation for uniform adhesion & extended durability of texture coats
- Ensures consistent appearance and finish of total system.

Uses And Typical Specifications

Uses	DULUX Acra-Prime 501/1 water based acrylic primer/sealer is applied to masonry surfaces to unify the substrate porosity. It ensures maximum adhesion and provides excellent key for subsequent texture coats, particularly DULUX AcraTex Trowel-On 951 & DULUX AcraTex Spray-On 952

Performance Guide

Weather	Suitable for exterior application when topcoated.	**Heat Resistance**	Up to 90C when topcoated.
Water	Resists rain and condensation when topcoated.	**Solvent**	Resists aliphatic hydrocarbons, sensitive to alcohols and strong solvents.
Abrasion	Resists abrasion when topcoated.		

Typical Properties

Technology Type	WATERBASED ACRYLIC	**V.O.C Content**	< 5g/L
Clean Up	Clean all equipment with water after use.	**Sizes**	15 LITRE
Application Method	Air Spray, Airless Spray, Brush, Roller		

Application Conditions

Solids By Volume	30		
	Min	**Max**	**Recommended**
Wet Film Per Coat (microns)	65	130	65
Dry Film Per Coat (microns)	20	40	20
Recoat Time (min)	2 Hours	Indefinite	
Theoretical Spread Rate (m^2/L)	10	5	10

Application Guide

Surface Preparation	• All surfaces must be cured, clean, sound and free of all contaminants such as form oils, release agents & mortar splashes. Surface imperfections, misalignments and protrusions must be levelled, patched & completely flush to surrounding surfaces. Metal, tie wire, etc on surface must be removed or treated against corrosion. Substrate Moisture Content: Moisture Content of dense concrete prior to coating should be less than 8% measured to a depth of at least 25mm and not be subject to re-wetting from latent sub-surface moisture or external sources. Typically this requires 8-12 weeks drying of dense precast or cast insitu concrete. Accurate measurement of concrete moisture content requires specialist equipment (typically involving drilling and insertion of probes embedded in an electrically conductive gel). Indicative surface spot measurement using a device with fine surface needle probes (generally referred to as "Equivalent Wood Moisture or EWM") is less reliable in discerning sub surface moisture and may produce variable results dependent on the density of the masonry under test and the presence of any substrate salts which can affect conductivity. Some units can operate in search or survey mode providing indications of potential sub surface areas of concern. Typically, "EWM" content prior to coating should be less than 12% and it is recommended that area review includes sub surface surveying to identify potential areas of concern. Alternatively a practical test to confirm "concrete safe to paint" involves taping (sealing all edges) of a 1m x 1m clear plastic sheet the concrete surface and leaving for 24 hours. Darkening of the concrete under the film or condensation on the underside of the film indicates the presence of excessive moisture.
Application Procedure And Equipment	• Brush, roller, conventional or airless spray. • Refer to the DULUX AcraTex Applicators Training Manual for detailed instructions. Typical airless set-up: Wagner PS 24 using 411-413 spray tip at approx. 1000 psi.

Health And Safety

MSDS Number	14557202	**Using Safety Precautions**	For detailed information refer to the current Material Safety Data sheet available through Dulux NZ Sales and Customer Service Offices.
MSDS Link	http://msds.duluxgroup.com/pdf/shess-en-cds-020-000014557202.pdf		
Health Effects	Splashes to the eye may cause eye irritation. When spraying, inhalation of mists may produce respiratory irritation.	**Protective Equipment**	Wear eye protection and when spraying wear a suitable mask.
Disposal	Do not contaminate stormwater with product or product washings. Do not pour product down the drain. Unwanted product should be brushed out on newspaper, allowed to dry and then disposed of via domestic waste collection. Empty containers should be left open in a well ventilated area to dry out. When dry, recycle the container via recycling programmes. Disposal of empty paint containers via recycling programmes may differ between local authorities. Check with your local council first.		

In the case of emergency, please call 0800 734 607

Precautions And Limitations

DULUX Acra-Prime 501/1 must only be applied in air temperatures between 10C - 30C and must be protected from rain and frost for the first 24 hours. Avoid application in full sun or hot, windy conditions.
Do not thin or apply over damp substrate (except where specified to AAC).
Do not use DULUX AcraTex AcraPrime water Based under DULUX AcraTex cementitious renders.
AcraPrime 501/1 is suitable for well clean, sound masonry that has cured for 28 days or longer. Where the substrate is less than 28 days and greater than 3 days curing AcraTex 501/8 AcraPrime HAR primer is recommended.
Where the substrate is friable or powdery, use Dulux AcraTex 501/2 AcraPrime Solvent based in lue of 501/1 AcraPrime Water based.
If concrete is high in MPA value and there are concerns around adhesion to hard dense and/or smooth concrete, use Dulux AcraTex 501/2 AcraPrime Solvent based in lue of 501/1 AcraPrime Water based.

Transport And Storage

Pack A	194-20809	**Shipment Name**	Not dangerous goods.; No special transport requirements.
Size 15 Litre		**Weight** 21.5 Kg	
Flash Point	NA	**UN Number**	NA
Dangerous Goods Class	NA	**Package Group**	NA

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DuluxGroup (New Zealand) Pty Ltd 150 Hutt Park Road NZ ACN 133 404 118