

AUAC00129 Dulux AcraTex BondFree Concentrate

Introduction

Part A
194X0195-15L

Description and Image

Dulux AcraTex BondFree Concentrate is a water based low toxicity cleansing solution specifically designed to remove Barrier-Type form release agents know as Bond-breakers from concrete panels prior to the application of a paint/texture system.




Barrier type Bond-breakers are form oils, use heavy oils, lanolin diluted in lighter oil such as , kerosene oil or diesel fuel they can also be oils emulsified in water.

Test a small area using a spray bottle and a 1:5 mix of Bond Free Concentrate rinse with water allow to dry and test water beading/ how well the concrete wets (darkens).
Compare to the uncleaned area. (Tip always add BondFree to water)

Features and Benefits

- Water based
- Removes Barrier-Type Bond-Breakers
- Spray application
- Fast removal of Barrier Type Bond-Breakers
- Easy application, clean up
- Cleans and conditions the concrete removing stubborn contaminants.
- May be applied by airless spray which greatly reduces time on site.
- Uses approximately 1/5 of water vs high pressure water blaster method

Standards And Certifications

 <p>NATA Accredited: National Association of Testing Authorities</p>	 <p>Certified System: Quality ISO 9001</p>	 <p>Certified System: Environment ISO 14001</p>	
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Standards and Certifications

For details on these standards and certifications please reference the ‘Approvals’ section at the beginning of this document.
Please contact your DuluxGroup representative for specific information on ESD credits / points.

Uses


Dulux AcraTex BondFree Concentrate is designed to be applied over Tilt Up or Off Form concrete panels that have been treated with a Barrier-Type Bond-Breaker or Release Agents prior to painting to ensure maximum adhesion of the subsequent coatings.
It is designed to be sprayed onto the substrate then quickly washed off with water.

Typical Specifications

Typical System

Title: Typical System for Tilt-Up Concrete				
Preparation Guide Refer DuSpec AS_SA12345				
Coat	Product	Spread Rate (m ² /L):	WFT (micron):	DFT (micron):
Prep Coat	BondFree Concentrate	42	0	0
1st Coat	ACRATILT	9	100	41
2nd Coat	ACRATILT	9	100	41
Minimum System DFT: 82				
Notes: Test a small area using a spray bottle and a 1:5 mix of Bond Free Concentrate rinse with water allow to dry and test water beading/ how well the concrete wets (darkens). Compare to the uncleaned area. Recommended Method of application is via a High Pressure Water Blaster suction feed (use undiluted) using a Long Distance Jet Nozzle Note for Water Blasters without a suction feed use an Adjustable Detergent Injector				

Performance Guide	
Salt Not applicable	Heat Resistance Not applicable
Water Not applicable	Solvent Not applicable
Abrasion Not applicable	Acid Not applicable
Alkali Not applicable	

Typical Properties			
Clean Up Clean up water			
Application Methods  Airless Spray For application via Airless spray, Garden/ backpack Pressure Atomiser (dilute 1 part concentrate with 5 parts water), Recommended Method of application is via a High Pressure Water Blaster suction feed (use undiluted) using a Long Distance Jet Nozzle Note for Water Blasters without a suction feed use an Adjustable Detergent Injector			
Specifications	Solids by Volume		
	<input type="text" value="1"/>		
	Min	Max	Recommended
Wet Film Per Coat (microns)	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Dry Film Per Coat (microns)	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Theoretical Spread Rate (m ² /L)	<input type="text" value="7"/>	<input type="text" value="7"/>	<input type="text" value="7"/>

Drying Time	Min	Max	Recommended
<p>Typical Property Notes Spread rate is for diluted material . Mix 1 litre of BondFree Concentrate with 5 litres of clean fresh water (ALWAYS ADD BONDFREE TO WATER)</p>			

Application Guide

Surface Preparation

Identify Bond-Breaker
 Firstly identify the bond-breaker used on your project (Barrier or Chemically Reactive), this may be as simple as asking the foreman / builder of the project. The builder or a subcontractor usually constructs tilt panels. There may still be a drum present on site.

Test barrier Type Bond-Breaker
 The Barrier Type Bond-Breaker will either be water or solvent-based.

Test a small area using a spray bottle and a 1:5 mix of Bond Free Concentrate rinse with water allow to dry and test water beading/ how well the concrete wets (darkens). Compare to the uncleaned area. (Always add BondFree to the water)

Solvent-Based Bond-Breaker
 With a solvent-based Bond-Breaker there are two tests:
 1: Water-Bread Test
 Spraying the panel with water and observing a beading of the water as it is sprayed onto the panel (just like water on a freshly waxed car). This indicates the presence of Bond-Breaker.
 If the panel does not bead, the concrete should take on a darker appearance. This is where the water has absorbed into the panel, if this happens perform the second Bond-Breaker test.
 2: pH Indicator Test
 Fill a small spray bottle with clean water. Immerse a pH indicator strip* into the water to test the pH level. This should read 6.5-7.5. If it reads any higher the water may be contaminated. Try sourcing water directly from tap.
 Hold a fresh indicator strip on the concrete panel keeping the indicator pads in contact with the concrete at all times.
 Spray the tested water above the strip so that the water trickles down over the indicator strip.
 Let soak for approximately 1 minute.
 Align the indicator strip with the coloured scale on the packet and read the pH level of your concrete.
 If the reading is the same or very similar to your previous reading of clean water, you know there is still Bond-Breaker on the panel.
 If the reading is high (8+) the pH is being read directly from the panel meaning there is no Bond-Breaker present.

Note: Bondfree is not suitable to remove chemically reactive bond-breakers / Form Release Agents
 A chemically active form release agent contains an active ingredient that combines with the calcium hydroxide (lime) in fresh concrete to form a metallic, waterproof soap which prevents concrete adhesion to the treated surface.
 For this type of Bond-Breaker use a detergent solution consisting of 225 grams of Tri-Sodium Phosphate (TSP) in 3.8 litres of water is recommended followed by high pressure washing (4000 psi)

Application Procedure and Equipment

A sample should be trialed first then checked for the presence of bondbreaker.
 Suitable substrates: Barrier Type Form Release Agent treated Tilt Up/ Off Form Concrete/ Pre Cast Concrete

Application procedure and equipment
 Product should be thoroughly mixed before use. Commence application, working from bottom of panel upward.
 Apply using an airless spray unit (eg Graco 695 with a .0015 - .0019 tip at 1000 psi) or a low pressure knapsack spray unit.

Large panels should be articulated into manageable work areas, always maintaining a wet edge ensuring rinsing of Bondfree is actioned prior to the area drying.
 If BondFree dries, re-apply BondFree to the affected area and rinse thoroughly.

Flood the area with an excess of material with a heavy spray rather than a thin jet or light mist. This will produce a foaming wave of excess material descending down the panel.

As BondFree is applied the panel should take on a darkened appearance. Should this not happen, apply a second coat of BondFree and consult with Dulux AcraTex if the panel does not darken (excessively applied water based bondbreaker may be the cause).

Notes:

1. Chemical goggles, gloves and a mask should be worn at all times whilst pouring and applying BondFree.
2. Application of BondFree should be with an airless spray unit or low pressure knapsack spray only.
3. Application of BondFree on large panels is a 2-man procedure, one to apply BondFree the other rinsing with water.

Never allow BondFree to dry before rinsing.

Rinsing Bondfree

Rinse panel with a flood of water (heavy spray not jet) deluging panel from top to bottom. Ensure extra care is taken whilst rinsing to ledges, sills and all fixtures on panels.

A second rinse should be performed whilst panel is still wet from initial rinse. This is to make sure all remnants of Bond-Breaker and BondFree are removed.

This product should not be released into any watercourses, drains or gutters neat or diluted and should be contained and disposed of under local waste management procedures. An environmental duty of care must be executed at all times whilst using this product.

Notes:

1. Do not wait until BondFree is drying on panel before rinsing. Rinsing must occur whilst BondFree is still wet and active to remove all traces of bond-Breaker and BondFree.
2. Water pressure should be at least 80 psi or 28 kpa.
3. A second rinse is imperative to the performance of BondFree.

At Commencement of coating system application to the substrate it shall be deemed that the Applicator has certified that the surface which it is to be applied to is fit to receive the specified coating(s) system.

When the Applicator is preparing the site sample for approval he should advise the Project Superintendent if the substrate condition is not of sufficient standard to produce the specified finish.

Prior to full coating application test site sample

Cross-hatch adhesion and pH tests must be performed as per Australian Standard AS2311-Painting Buildings and AS1580-Methods of Testing Adhesion (current editions) prior to commencing full-scale works. pH readings must be below 10 before coatings can be applied.

Health and Safety

SDS Number
DLX003382

SDS Link
<https://go.lupinsys.com/duluxgroup/harms/public/materials/d490d564323f12e642aac33a4f54c7b5-published/individual>

Using Safety Precautions
Keep out of reach of children.
Read label before use.
Keep away from heat/sparks/open flames/hot surfaces.
No smoking.
Avoid breathing dust, fume, gas, mist, vapours or spray. Wash hands, face and all exposed skin thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.

Please refer to [SDS Link](#). In case of emergency, please call 1800 220 770.

Precautions and Limitations

This product data sheets shall be read in conjunction with the Dulux specification.

To ensure colour uniformity and for optimum performance, Dulux recommend a full coating system including a Membrane topcoat. For **all** systems, the Texture &/or Base Coat should be tinted in accordance with Tint Guide to the specified topcoat colour (or a colour as close as possible to the specified colour as product and Acratex tint rules allow).

Important: Not all colours are suitable for exterior use.
Ensure that you have adequate tinted stock to complete the job in one application.
All material must be thoroughly cross-mix to ensure tint uniformity.
It is recommended to hold a volume of finish material for future maintenance touch-ups

Practical spreading rates will vary from quoted theoretical figures depending on substrate porosity, surface roughness, overspray losses, application methods and environmental conditions (e.g. wind).

- Do not apply paint if Relative Humidity is above 85% or temperature is within 3°C of Dew Point.
- Do not apply if the surface temperature is greater than 40°C or below 10°C, or likely to fall below 10°C during the application or drying period.
- Dry times apply to a single coat at recommended spread rate and at 25°C and 50% Relative Humidity
- Allow longer times under cool, moist, or still conditions and or when applied at high film builds.
- Protect from dew, rain and frost for 48 hours when apply at the recommended spread rate.
- Avoid application in hot, windy conditions or on hot surfaces cool the surface by hosing with water and paint the cool damp surface.
- The exterior texture coatings should be cleaned on a regular basis.
- This will help maintain your overall aesthetic appearance and preserve your Acratex Texture coating system.

Cleaning once every year will remove light soil as well as grime and airborne pollutants refer Dulux Acratex Care & Maintenance Guide.

Transport and Storage	
Line Shade /Pack A 194X0195-15L	Shipment Name Not dangerous goods; No special transport requirements
Size: 15 Litre	Weight: 16 Kg

Disclaimer

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Unless Dulux has provided you with a customised, project-specific specification, this Data Sheet does not represent that any particular product or product system will be suitable for your project.

Any information provided in this Data Sheet is given in good faith and is believed by Dulux to be correct at the time of publication. Products and coating systems can be expected to perform as indicated in this Data Sheet, provided the substrate is in good condition, the coatings are applied by a suitably experienced and skilled applicator, and the preparation, application and maintenance is followed strictly as set out in this Data Sheet, and as recommended on the applicable Safety Data Sheets for the relevant products, available from www.duspecplus.com.au. Climatic conditions at application time can affect product suitability and performance.

The correct colour or colour match is the responsibility of the applicator. Colours will change over time and Dulux does not guarantee that the same colour newly mixed will match a colour applied earlier which has been subjected to weathering or other change elements. No product colour is guaranteed against colour change.

Where any liability of Dulux in respect of this Data Sheet cannot by law be excluded, Dulux's liability is limited, as permitted by law and at Dulux's option, to resupply of the relevant products or services or to reimbursing the cost of those products or services.

WHERE LEAD MAY BE PRESENT: The asset manager is responsible for verifying the presence of lead and determining whether to remove or encapsulate the lead. If lead is present, the work must be done in strict accordance with AS 4361 Parts 1 and 2 and Worksafe Australia guidelines.