

## SPRUCE SOFT VELVET

### TECHNICAL DATA SHEET

Version 1 – 2017 MARCH

THIS ISSUE SUPERSEDES ALL PREVIOUS PUBLICATIONS

### PRODUCT DESCRIPTION

An elegant, mid sheen finish Acrylic PVA for interior and exterior use

### PRODUCT USES

- All purpose wall and ceiling finish for application to interior and exterior cement plaster, gypsum board, fibre cement, concrete, brickwork and various types of composite boarding.
- Also suitable for application to metal and wooden trims, provided those surfaces are suitably primed before the application of this material.

### FEATURES AND BENEFITS

- Elegant mid sheen finish.
- Washable and easy to clean.
- UV and Weather Resistant.
- Hard wearing and durable wall finish.
- Low Odour.
- Easy water clean-up.

### PRODUCT INFORMATION

<b>Appearance</b>	Mid sheen
<b>Colour</b>	White, and the following tint bases: Pastel Base 7, Medium Base 8, Deep Base 9 from the Dulux tinting system
<b>Binder Type</b>	Styrene Acrylic
<b>Density at 23°C</b>	Approx. 1.24 kg/l
<b>Solids Content</b>	By weight: Approx. 42% By volume: Approx. 32%
<b>Packaged Viscosity</b>	Viscosity at 23°C: Approx. 100 KU
<b>Spreading Rate</b>	Approx. 8m <sup>2</sup> per litre depending on surface porosity, profile and application method
<b>Recommended DFT per coat</b>	Min. 25µm. Max. 40µm
<b>Recommended WFT per coat</b>	Min. 80µm. Max. 120µm
<b>Flash Point</b>	Non-flammable

## SPRUCE SOFT VELVET

### APPLICATION INFORMATION

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Mixing	Stir until homogeneous with a flat paddle.
Application Surface conditions	Surface Temperature between 10 - 35°C. Relative Humidity between 10 – 85 % OR 2°C above dew point minimum.
Application methods	Brush, roller or airless spray.
Thinner	Thinning not recommended. Ready for use after thorough stirring.
Drying Time	Touch dry 1 hour at 23°C.
Recoating Time	4 hours at 23°C (Drying times will be extended during cold, wet or humid conditions)
Cleaning of equipment	After use, remove as much product as possible, and then clean immediately with water.
Substrates	Suitable for cement plaster, gypsum plaster, concrete, fibre-cement, various types of composite boarding, PVC, metal and wood trims provided that appropriate preparation and priming is done.
Precautions	Do not apply during cold (below 10°C) or wet weather. Do not apply directly to substrate without priming. Not suitable for direct application to powdery or friable surfaces whether previously painted or not. Essentially a wall coating. For areas subject to continual handling/soiling, e.g. cupboards and doorframes, use <b>Spruce Universal Gloss Enamel</b> . Not suitable for use in kitchen and bathrooms.
Coats Required	Apply two to three finishing coats to new surfaces to achieve a closed film and solid colour.

### SURFACE PREPARATION

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Plaster sand should comply with SABS 1090 requirements. Plaster mix must be applied at a minimum thickness of 10mm, curing to a hard and sound finish, free of soft and friable material. MPA strength must comply with SABS 0164-1 (10MPa=2, 6:1 and 5MPa=4:1). Ensure that surfaces are sound and free from dust, oil, grease, dirt, and debris. Surfaces must be thoroughly dry - no more than 12% moisture content.

### NEW SURFACES

#### **Cement Plaster (non-friable), Fibre Cement and Composite Boarding**

- It is recommended that fresh plaster should be allowed one week drying for every 5mm thickness; and longer in cold or damp weather.

## SPRUCE SOFT VELVET

### SURFACE PREPARATION

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#### NEW SURFACE

##### **Cement Plaster (non-friable), Fibre Cement and Composite Boarding - Continue**

- Spot-prime metal strips and nail heads with appropriate metal primer.
- For best paint system performance prime with one full coat **Spruce Plaster Primer**.

##### **Gypsum Plaster (non-friable)**

- Ensure the gypsum plaster is sound and non-friable and cured as per the manufactured of the gypsum plaster specifications.
- Apply a single coat **Dulux Bonding Liquid**. Wipe a black cloth over the dried single coat **Dulux Bonding Liquid** applied and if a white residue is found on the back of the cloth apply 1 to 2 further coats of **Dulux Bonding Liquid** to achieve correct binding and sealing properties

##### **Concrete**

- Remove any uncured cement, grease, and mould release agents by high-pressure water blast, or wash with a strong solution of **Dulux Pre-Paint Sugar Soap** /water solution. Rinse off thoroughly with clean water and allow drying.
- For best paint system performance prime with one full coat **Spruce Plaster Primer**.

##### **Mild Steel and Iron**

- Inspect shop-primer thoroughly for damage by installation. All rust, scale and dirt must be removed by scraping or with steel wire brushes, and then thoroughly sand with medium grit sandpaper and finish with fine grit sandpaper - down to a bright metal finish. Ensure that the sanded areas are dry and free of grease and dust. A solvent wash (rags dipped in lacquer thinner) may be used. Change the rags frequently. Allow drying.
- Prime with one to two coats **Dulux Steel Primer**, depending on the severity of the conditions. Two coats recommended for coastal conditions and chemical works.
- For best paint system performance follow primer with **Dulux Universal Undercoat** before applying the selected finishing coat.

##### **PVC Gutters and Downpipes**

- Sand well to improve adhesion. Ensure surface is clean and dry.
- Prime with one full coat **Dulux Supergrip**.

## SPRUCE SOFT VELVET

### SURFACE PREPARATION

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#### NEW SURFACE

##### Wooden Surfaces

- Timber treated with borer- or fire retardant may cause slow drying (consult supplier).
- Treat knots in timber with Knotting Agent.
- Spot prime nail heads with **Dulux Steel Primer**.
- Special attention must be given to painting the end grain to avoid moisture penetration - apply a second coat after 10 - 20 minutes.
- Prime with one coat **Dulux Wood Primer**. Two coats may be required for very absorbent wood. Alternatively, timber surfaces can be primed with **Dulux Supergrip** to support a water based paint system.
- For best paint system performance follow **Dulux Wood Primer** with **Dulux Universal Undercoat** before applying the selected finishing coat.

#### PREVIOUSLY PAINTED SURFACES

##### Good Condition, not powdery

- Remove any loose and flaking paint back to a sound substrate and firm edges by scraping and sanding.
- Clean surfaces with **Dulux Pre-Paint Sugar Soap** /water solution to remove all surface contaminants and chalky residue, rinse with clean water to remove all traces of the **Dulux Pre-Paint Sugar Soap** treatment and allow drying out. For exterior application can high pressure water jet cleaning be used as an alternative to the **Dulux Pre-Paint Sugar Soap** treatment.
- Spot prime bare exposed substrates with appropriate primer.
- Enamel surfaces need to be sanded to a matt finish to aid adhesion before commencing with the **Dulux Pre-Paint Sugar Soap** /water solution treatment. Apply a coat of **Dulux Universal Undercoat**.

##### Old Paint in Poor Condition

- Completely remove all loose and flaking paint.
- Remove oil, grease dirt or any other contaminants with **Dulux Pre-Paint Sugar Soap**/water solution and allow drying.
- Friable surfaces must be removed and repaired.
- Chalked surfaces must be thoroughly brushed or prepared with high pressure water cleaning. NOTE: While this product can be used for sealing exterior chalked or slightly friable surfaces, it will not penetrate thick layers of powdery material. **Dulux Bonding Liquid**, which is un-pigmented, is preferred.

## SPRUCE SOFT VELVET

### SURFACE PREPARATION

#### PREVIOUSLY PAINTED

##### Old Paint in Poor Condition - Continue

- Mould instructions. To kill lichen and algae growth, scrub with one of the following solutions: either 4:1 water/chlorine, or 4:1 water/sodium hypochlorite. Ensure that the areas are completely saturated, and allow the solution to react for a minimum of 4 hours. Rinse the complete wall surface thoroughly with clean water and allow drying.
- Prime all exposed areas with appropriate primer as for new surfaces.

### FILLING

Fill all imperfections with the appropriate **Dulux Pre-Paint** filler and spot prime filled areas with appropriate primer once the crack filler has dried properly. Failure to do this will result in uneven sheen levels between the repaired and normal areas.

### HEALTH AND SAFETY INFORMATION

This product contains no added lead. Avoid contact with skin or eyes. Keep out of reach of children. If accidentally swallowed, seek medical advice immediately and show this container to the doctor. Dry sanding, flame cutting and/or welding of the dry paint film will give rise to dust and/or hazardous fumes.

If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used. Do not empty into drains or watercourses. Ensure good ventilation during application and drying. It is recommended to use suitable protective clothing and equipment. To avoid the risk of spillage, always store and transport containers in a secure upright position. Refer to Material Safety Data Sheet for complete information.

### ADDITIONAL INFORMATION

Packaging	White: 5Lt, 20Lt Tint Bases: 5Lt, 20Lt
Storage Conditions	Store under cool dry conditions away from direct sunlight, heat and extreme cold.
Disclaimers	Colour references are as accurate as modern printing will allow.. Among others, the following factors may affect final colour appearance: product sheen and texture, colour and light reflections, application, surface texture and preparation. For best colour and sheen consistency, it is advisable to use containers of the same batch number, or to mix different batches together in a large container, or to finish in a corner before starting a new container.

## SPRUCE SOFT VELVET

### ADDITIONAL INFORMATION

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#### Tinting Protocol

The tint base containers are only filled to levels which are specific for each tint base to allow the calculated volume of colourants to be added in order to achieve the volume indicated on the container after tinting. Tint bases and colourants are unfinished products which should not be used on their own. Only once the prescribed colourant is added to the specific tint base will the finished product comply with the technical features and related information as set out in this Technical Data Sheet.

### GUARANTEE

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Dulux offers a 5-year product guarantee on **Spruce Soft Velvet** (white and tint bases when tinted with Dulux colourants). **Spruce Soft Velvet** tinted with non-Dulux colourants is not guaranteed, Dulux has no control over the tinting process or the quality of the colourants used. To register your guarantee, simply call the Dulux Technical Helpline within 30 days of purchase. Simply supply your contact details, the site details, purchase details, batch number and related products used. You will receive a Guarantee Reference Number that you should record and keep in a safe place, together with your purchase slip for future reference. For terms and conditions of the guarantee, please visit [www.duluxguarantee.co.za](http://www.duluxguarantee.co.za) or contact Dulux Technical Helpline on 0860 330 111.

### TDS STANDARD DISCLAIMER

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The recommendations contained herein are given in good faith and meant to guide the specifier or user in accordance with good painting practices. They are gained from our tests and experiences and are believed to be accurate and reliable. No warranty/guarantee is implied by the recommendations contained herein since the conditions of use; application method, substrate and cleanliness of the substrate are beyond Dulux control.

Important Note; Technology may change with time, necessitating changes to this Technical Data Sheet (TDS).

It is the responsibility of the user to ensure that the latest TDS is being used for reference. Dulux Technical Data Sheets are available on our website [www.dulux.co.za](http://www.dulux.co.za) or please contact: Dulux On-Line on 0860 330 111. Email [ZA.Helpline@akzonobel.com](mailto:ZA.Helpline@akzonobel.com).

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