

Instructional Bulletin 1.62

Interior Walls - Viponds Self Adhesive Prep Coat System

Revision 3

Introduction

A smooth, well prepared surface is critical for the adhesion of pressure-sensitive films for interior wall graphic applications. This Instructional Bulletin is designed to help you achieve a smooth and properly prepared painted substrate using Viponds Self Adhesive Prep Coat System.

These instructions are suitable for interior application on:

- Existing painted walls (including acrylic or enamel painted surfaces)
- New unpainted walls (including plasterboard, MDF or plywood)

Important Note: Viponds Self Adhesive Prep Coat is available in semi gloss, satin and low sheen in clear and coloured finishes. Semi gloss and satin finish are recommended for use with removable and permanent Avery Dennison pressure-sensitive adhesive films. A low sheen finish is available but is only suitable for permanent or hi-tack Avery Dennison pressure-sensitive adhesive films.

Application Tools and Equipment

- High quality filler
- Paint scraper
- Medium (80 grit) and fine (120 to 240 grit) abrasive paper
- 4 to 6mm mohair or synthetic roller
- Broad flat stirrer, painting tray and paintbrush (for small areas only)
- Viponds Self-adhesive Prep Coat Undercoat
- Viponds Self-adhesive Prep Coat Semi Gloss, Satin or Low Sheen (clear or coloured)

Existing Painted Wall Surface Preparation

It's extremely important to prepare a smooth surface before applying Viponds Self Adhesive Prep paints

- Ensure the surface is dry and in sound condition, free of any loose material
- If the paint is loose or flaking off, use a scraper to remove it before proceeding
- If required fill any cracks or imperfect areas with high quality filler
- Sand back any existing painted or filled surface with a medium then fine abrasive paper to remove any texture and gloss on the surface so it is smooth and even
- If unable to smooth a rough textured painted surface by sanding it is then required to be filled with high quality filler and sanded with medium then fine abrasive paper

New Unpainted Wall Surface Preparation

- Fill any holes or joins with filler and sand surface with abrasive paper until smooth and even

Application Procedure

- Do not apply if air or surface temperatures are below 10°C or above 30°C
- Ensure the surface is clean and dust free before proceeding to paint
- In order to produce a smooth paint finish, it is critical that only a 4 to 6 mm nap mohair or synthetic roller is used for applying both the undercoat and topcoat finish
- Spot undercoat any areas that were filled with Viponds Self Adhesive Prep Undercoat, followed by one full undercoat over the entire area
- Undercoat is not required for existing painted surfaces that have been sanded and where no filler was used
- Stir the paint with a broad flat stirrer. Apply with roller, spray or brush (for small areas)
- Avoid bubble formation, lay off with a dry roller (i.e. same roller with minimal paint loading) to eliminate any bubbles
- Inspect the surface between coats and sand any high spots and imperfections before applying the next coat
- A minimum of two (2) thin coats of Viponds Self Adhesive Prep Coat is required

Recoating and Drying

- Ambient conditions should be above 15°C and below 55% relative humidity (RH)
- Under the above ambient drying conditions, coatings will be touch dry in 30 minutes and can be recoated after 2 hours
- These times will be longer under colder (<15°C) or humid (>55% RH) conditions
- Under humid conditions, the use of fan assisted airflow over the painted surface is recommended to obtain full cure
- Viponds Self Adhesive Prep Coat must be dried for at least 24 hours for clear and white paint, and 48 hours for coloured paint in 15°C to 25°C ambient temperature and less than 55% RH conditions before Avery Dennison pressure-sensitive adhesive films can be applied
- Longer drying times are required in colder (<15°C) and/or humid conditions (>55% RH)

Clean up, Thinning and Coverage

- If thinning is required use clean water only
- Clean equipment with water, methylated spirits will soften and assist clean up of paints
- Coverage per coat is approximately 14m²/L for Undercoat and 16m²/L for Topcoat

Paint Guide

Wall Type	Application Conditions	Viponds Self Adhesive Prep Coat		Recoat Drying Time*	Drying Conditions*	Drying Time - White & Clear	Drying Time - Colours	Finish Required [#]
		Undercoat Required	Topcoat Required					
Existing painted wall, sanded only		Not required	2	2hrs				
Existing painted wall, filled and sanded	15-25°C	1	2	2hrs	>15°C, <55% RH	24hrs	48hrs	Level 5
New unpainted wall		1	2	2hrs				

*Good condition surfaces should meet AS/NZS 2598.1.1997, level 5 finish, see notes.

*Longer drying times are required in colder (<15°C) and/or humid conditions (>55% RH).

Special Notes

- It is important to wipe the cured painted surface with a water dampened lint free cloth, then dry with a second dry lint free cloth, before applying Avery Dennison pressure sensitive adhesive films
- Once the wall has been prepared refer to the Instructional Bulletin 1.6 - Printing Processing and Application of Interior Wall Graphics
- Viponds Self Adhesive Prep Coat is available in semi gloss, satin and low sheen in clear and coloured finishes
- Semi gloss and satin finish are recommended for removable and permanent Avery Dennison pressure sensitive adhesive films
- A low sheen finish is available but is only suitable for permanent or hi-tack Avery Dennison pressure sensitive adhesive films
- As the integrity of previously painted surfaces is typically unknown, following the painting recommendations as outlined in this guideline gives no assurance of removability of Avery Dennison pressure sensitive adhesive films
- The painting recommendations are based on AS/NZS 2311-2000 – Guide to Painting of Buildings
- Specification choice – Level 5 Finish – All framing, plasterboard lining, jointing and finishing shall be carried out to a level 5 finish in accordance with AS/NZS 2598.1.1997 “Gypsum linings in residential and light commercial construction – Application and finishing Part 1 Gypsum plasterboard” – Appendix G. This is to ensure a smooth, flat as possible final painted surface finish, for successful installation of pressure-sensitive adhesive films.

Important Note: Guidelines provided in this instructional bulletin refer to recommended paint surfaces and surface preparation to obtain successful interior wall graphic installation on painted substrates.

Avery Dennison does not recommend application of interior wall graphics onto but is not limited to the following substrates, or coatings: unsealed concrete, unsealed timber, fresh uncured painted coatings, solvent based coatings that have insufficient time to outgas. Any applications onto non recommended substrates or painted coatings that are still outgassing, unstable or difficult to adhere to, can result in decal failure, ranging from loss of adhesion, edge lifting and bubbling. It is the responsibility of the user/installer to ensure Avery Dennison internal pressure sensitive films are successfully tested and approved for use on the wall substrate they are going to be applied to.

For further information, please contact:

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1. The information in this recommendation sheet was prepared using information gathered during successful field and lab trials.
2. This information is based on data believed to be accurate by Viponds Paints and Avery Dennison at the time of writing but is subject to change without notice.
3. This information is given in good faith, for the assistance of users and is of a general nature.
4. As the method and conditions of application and use of this product is beyond the control of Viponds or Avery Dennison, it is recommended that the customer test the product thoroughly for suitability in their particular application and specification.

Warranty and Limited Remedy

This instructional bulletin describes a technique. The information contained herein is believed to be reliable, but Avery Dennison makes no warranties, express or implied, including but not limited to any implied warranty of merchantability or fitness for a particular purpose. To the extent allowed by law, Avery Dennison shall not be liable for any loss or damages, whether direct, indirect, special, incidental or consequential, in any way related to the technique of making a graphic regardless of the legal theory asserted.

The above information provides basic information on how to apply pressure-sensitive graphics. The instructions are designed to help ensure success across a broad range of applications. Depending on the size and complexity of applications, a certain amount of expertise is needed.

Professional applicators can be hired to ensure the proper application of finished graphics. When mounting graphics in remote geographic areas, professional applicators can offer the added benefit of local service.

Avery Dennison has a vast network of Certified Installers who have been specially trained and certified in accordance with our recommended techniques.

You can review the Certified Installer list here: [Find a Graphics Installer](#)

Consider hiring a professional whenever the application requires:

- Multiple panels to be registered
- Complex surfaces, such as rivet and corrugated trucks
- Harsh environmental conditions (i.e. outdoor applications in high heat climates)
- Remote geographic locations

For further information, contact your local Avery Dennison representative.

