



DATASHEET

DIMAP SEMI LATEX EMULSION

Color: Catalogue colors

PROPERTIES

DIMAP Semi Latex Emulsion DIMAP-PAD is a vinyl acetate copolymer emulsion based paint with good durability for use on interior and exterior walls and ceilings. This low odour paint is washable and wipeable, providing a tough finish that is resistant to condensation, yellowing and most household stains. Its good durability makes it ideal for use in kitchens, bathrooms, hotels, hospitals and public buildings.

RECOMMENDED USES

DIMAP Semi Latex Emulsion DIMAP-PAD could be used for walls and ceilings on:

- ✓ Concrete
- ✓ Gypsum boards
- ✓ Plaster
- ✓ Primed wooden surfaces

PERFORMANCE BENEFITS

- ✓ Environmentally friendly
- ✓ Wipeable finish
- ✓ Flat finish
- ✓ Good coverage
- ✓ Light odour

CHARACTERISTIC PHYSICO-CHEMICAL DATA

Data related to the Semi Latex Emulsion DIMAP-PAD, white color.

Tests	Norms	Results
Total solids, by weight	ASTM D2369	57%
Consistency, at 25°C	ASTM D562	120 KU
Specific Gravity (g/cm ³)	ASTM D1475	1.5



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Dry opacity; contrast ratio at 150µm (White)	-	> 0.95
Scrubbability on 200µm WFT ⁽¹⁾	ASTM D2486	> 1200 cycles
Recommended WFT ⁽¹⁾ at 20% Dilution	-	112 µm
Recommended WFT ⁽¹⁾ at 30% Dilution	-	122 µm
Spreading Rate at 35µm DFT ⁽²⁾	-	10.7 m ² /L
Total Volatile Organic Compound (VOC)	ASTM D3960	23.6 g/L

¹⁾ WFT: Wet Film Thickness

²⁾ DFT: Dry Film Thickness

APPLICATIONS GUIDE

SurfacePreparation

Before applying DIMAP Semi Latex Emulsion, all necessary pretreatment must be done. Surface should be clean, dry and free of all contaminants (oils, agents, dust, dirt, etc...) in order to avoid the risk of surface failing.

Concrete substrate must be well prepared in order to avoid any coating defects.

For new surface, ensure that concrete is completely cured at least 30 days.

For both fresh and old concrete, decontamination is required to remove any dust, oil, grease, laitance, fatty acids or any additional contaminants. If needed, an ammonia solution could be used for a well cleaning.

Priming

For light colors of DIMAP Semi Latex Emulsion:

- Apply one coat of DIMAP Sealer White DIMAP-SEW151. Thinning could be done with 25 to 50% (for brush or roller application) and 35 to 75% of water (for air spraying application).

For dark colors of DIMAP Semi Latex Emulsion:

- Apply one coat of DIMAP Sealer Clear DIMAP-SEW150. Thinning could be done with 30 to 60% (for brush or roller application) and 35 to 85% of water (for air spraying application).



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Thinning

Use 15 to 20% of water when applying using a brush or roller, and 20 to 25% of water for air spraying application.

Application

DIMAP Semi Latex Emulsion should be applied on a clean and dry surface in a well-ventilated area where the humidity does not exceed 75% and the paint temperature less than 15°C. Otherwise, more thinning will be required and extra water could affect the opacity and the sag resistance.

To obtain the best result, follow the below steps and apply the recommended systems:

For new surface application:

- If the wall is in good conditions: apply one layer of DIMAP Extra Fill Putty DIMAP-PUW010 followed by two layers of DIMAP Ultra Fine Putty DIMAP PUW020.
- If the wall is in bad conditions: apply two layer of DIMAP Extra Fill Putty DIMAP-PUW010 followed by one layer of DIMAP Ultra Fine Putty DIMAP-PUW020.
- A drying period of 12 hours is required between putty layers application.
- Rub the surface using a 150 – 180 grit rubbing paper.
- Clean the substrate with a soft broom or an air pressure system.
- Apply the designated DIMAP Sealer or a water based undercoat (DIMAP-UNW) or a synthetic undercoat (DIMAP-UNS) and let the surface dry for 12 hours as well.
- Apply one coat of DIMAP Semi Latex Emulsion used as a checking layer in order to cover any remaining holes or uncovered areas by DIMAP Putty.
- Rub the checking layer after 24 hours with a 180 – 220 grit rubbing paper.
- Clean the substrate with a soft broom or an air pressure system.
- Finalize with two coats of DIMAP Semi Latex Emulsion after thinning and using a brush, roller or air spraying system. Between the two layers application, rub the surface with a 220 grit rubber paper.

For pre-painted surface application:

- Rub the surface with a fine waterproof abrasive paper followed by a well rinsing.
- Apply minimum two layers of water based dimap Putty: at least one layer of DIMAP Extra Fill Putty DIMAP-PUW010 followed by at least one layer of DIMAP Ultra Fine Putty DIMAP PUW020.
- Rub the surface after 12 hours using a 150 – 180 grit rubbing paper.
- Continue with the same steps recommended for a new surface application.
- If the pre-painted surface is in good condition, a direct application of DIMAP Semi Latex Emulsion over a water based paint could be done.



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Drying Time

Surface (Touch) Dry: 30 minutes

Dry to over coat: 4 hours

Through dry: 12 hours

AVAILABLE PACKAGING

1 US Gallon = 3.786 L; 5 US Gallons Pail = 18.9 L

SHELF LIFE

DIMAP Semi Latex Emulsion should be stored in undamaged and unopened containers in a well-ventilated area where the temperature varies between 10 and 35°C and far away from any heat or freezing source or a direct exposure to sunlight.

Under these conditions, the shelf life of DIMAP Semi Latex Emulsion will be 18 months. After this period the product is subjected to re-inspection. Proper handling is essential to maintain good quality.

HEALTH & SAFETY

Before using this product please consult our Safety Data Sheet (SDS) for complete information on Hazards Identification, First-Aid and Fire-Fighting Measures, Accidental Release Measures, Handling and Storage, Exposure Control and Personal Protection, Stability and Reactivity, Toxicological Information, and Transport Information.

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