TECHNICAL DATA SHEET

297 Series

Undercoat
Universal
Alkyd Emulsion

Description

Adhero Hybrid 297 is an alkyd emulsion universal undercoat for indoor and outdoor use. It's exceptional adhesion properties allows it to optimize the topcoat performance. Adhero Hybrid 297 will hide most common stains. It is easy to apply and dries quickly. It can be used for commercial, institutional and residential projects.

Use

This universal undercoat is applicable to interior and exterior surfaces. Adhero Hybrid 297 can be applied onto new or already painted surfaces that have been properly prepared. It can be applied directly to alkyd paints, interior ferrous metals with no rust, galvanized steel, ceramics, melamine, wood (except wood that is rich in tannin, like cedar and redwood), drywall, bricks, plaster, stucco, concrete. Adhero Hybrid 297 can be used for water stains on acoustic tiles, common household stains (coffee, pencil, wine). Due to the variety of stains, two coats are recommended for optimal results.

(See limitations and surface preparation)

Advantages

- The Adhero Hybrid 297 has an excellent adhesion to several kinds of surfaces
- Seals porous surfaces as well as old yellowed gypsum.
- Hides most spots in one or two coats.
- Can be covered with a water-based or solvent-based paint

Limitations

- Not designed to seal new wood which may bleed such as: (Red cedar, redwood, exotic wood or any other wood with bleeding)
- Some types of wood require two coats of primer.
- If bleeding persists, apply one coat of Block Plus 296-0 primer.
- Do not apply below 10 ° C (50 ° F)
- Do not apply in direct sunlight
- Do not apply on rusty metal
- Do not mix with other paints
- Not designed to block the smell of smoke
- Do not apply at the end of the day outdoors when dew is forming

Technical Data

Resin		Alkyd emulsion	
Colour		White	
Cleaning		Water	
Inflammability		N/A	
Flash Point		N/A	
Solids by weight		58	%
Solids by volume		40	%
VOC		<50	g/l
Gloss	60°	N/A	
Sheen	80°	N/A	
Standards	**MPI**	Certified Category 172	

Application Data

At 25° Celsius
Relative humidity at 50%
May differ depending on the colour

Spreading Rate May vary depending on the surface porosity		37-46 m^2 (400-500sqft)	gallon
Film Thickness	Wet	3,2-4,0	mils
	Dry	1,28-1,6	mils
Drying Time			
	Tack free	30	min
	Recoat	4	hours
	Cleaning	N/A	days
Application	Brush	√	
	Roller	√	
	Spray (Buse 0,015-0,019)*	2000-2500	lb/po2
*This data may vary depending on the equipment of a manufacturer			
Exterior application and condition		yes	
297-0	No rain expected following application	24-janv	hours
Storage	Temperature	10 et 30	°C

Base	**Formats**		
	946ml	3,78L	18,9L
297-0 White	√	√	

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Surface Preparation

The surface should be dry and clean, free from dust, oil, grease, rust and soap. On an already painted surface, it is recommended to clean with a degreaser (TSP) in order to remove any contaminant that could interfere with the adhesion and the hardening of the product. Rinse the entire surface thoroughly. Surfaces must be well sanded and dusted.

Presence of mold: Clean the affected area with a mixture of 1 part bleach to 3 parts of water. Rinse the entire surface thoroughly.

Peeling: Using a scraper, remove the weakened paint, then sand the edges of the surface to make it uniform. Fill holes and uneven surfaces with repair compound.

Chalking: Scrub with a wire brush and / or pressure washing.

Presence of efflorescence: Must be removed by pressure washing and / or with muriatic acid

Alkyd-based paint without silicone or glossy surface: Sand to ensure excellent adhesion. Clean off sanding residue.

Alkyd-based with silicone: Use an alkyd-based primer (Block Plus 296) to ensure maximum adhesion

Concrete / Masonry: Wait until concrete / masonry has hardened at least 30 days, and no efflorescence salt should be present before covering it

Melamine: Make sure to clean the surface well with a degreaser, rinse then sand with a # 100 grit sandpaper.

Aluminum, galvanized metal, new interior ferrous metal: Remove all traces of oxidation (surface rust), then clean with Metal Plus 467, Conditioner for metal,then lightly sand and clean with acetone.

Wood (EXCEPT: red cedar wood, redwood, exotic, recomposed and glued wood and any wood with bleeding): The surface should be sanded with # 80 or # 100 grit sandpaper to open up the wood grain. Cover pine knots with Stop Plus 298 to slow bleeding. For red cedar or redwood, plywood or any other wood with bleeding use the Plus 296 block.

Warning: Wood is a natural material and although it is treated, bleeding may recur over time.

Application

This product is ready to use and does not require dilution. Mix well before use. Apply a coat or two if necessary. Allow a minimum of 4 hours drying time between each coat. In order to cover the surface well, it is recommended to use a 10mm lint free roller and a quality nylon-polyester brush. Clean rollers and brushes with warm soapy water after using them.

For spray application: May be thinned with a maximum of 10% water.

Pressure: 2000 to 2500 psi *

Nozzle: 0.015 - 0.019 *

* This data may vary depending on the brand of the equipment manufacturer.

Maintenance

Must be topcoated.

Warranty

This product will give complete satisfaction if applied according to the manufacturer's instructions. In the event that this is found to be defective after inspection, the manufacturer's liability is limited to replacement of the product and does not include labor during application.

Caution

- Keep out of the reach of children
- Keep container closed when not in use
- Avoid freezing

Contact your municipality to dispose of the container in an environmentally-friendly manner