

Emblem Application on Fabric (E)

TWO-PACK, SELF-PRIMING POLYURETHANE

DESCRIPTION

POLYURETHANE PL1 is a high performance, high-build, two-pack HDI cured polyurethane coating.

RECOMMENDED FOR

Interior & exterior applications on concrete, metal structures, above ground and underwater tanks, high-traffic floors exposed to industrial or marine atmospheres, steel, blast cleaned steel or wheel-abraded steel, and wood.

KEY FEATURES

- UV resistance
- Non-yellowing
- Resistant to water
- Resistant to highly aggressive external exposure
- Excellent anti-corrosive properties
- Self-priming
- Outstanding durability
- Resistant to splashes of mild chemical
- Resistant to acids
- Resistant to hot saline water (salty water)

PHYSICAL PROPERTIES

Solvent Type	Moisture free PU thinner	
Finish Type	Full gloss finish	
Solids (volume)	64% as supplied 48% diluted with 25% thinner 45% diluted with 30% thinner	
Solids (weight)	73% as supplied	
Spreading rate by Roller	8m ² /L. wet film thickness 125 microns with 25% dilution	
Spreading rate by Spray	6.6m ² /L. wet film thickness 150 microns	
Pot life	1 hour at 20 °C	
Average Dry Time	Touch-dry in 1 hour - Full cure after 3 days	
Recoat	After 3 hours at 20 °C / After 2 hours at 30 °C	
Dry Film Thickness	60-70 microns depending on application method and surface porosity	
Density (A + B)	1.32 ±0.02 g/cm ³ for white base 1.17 ±0.02 g/cm ³ for W1 base 1.05 ±0.02 g/cm ³ for N base	
Dilution	25% with PU thinner for roller application / 30% with PU thinner for spray application	
Abrasion	CS17 wheels, 1000g weights, 500 cycles. Weight loss: 70mg	
Hardness	3H-4H	Based on ASTM D3363
Adhesion	>3.5MPa (concrete fracture)	Based on ASTM D4541
Color	White and Clear Bases	
VOC	355g/L as Per EPA Method 24	

TWO-PACK, SELF-PRIMING POLYURETHANE

CHEMICAL RESISTANCE / 24 HOUR OPEN SPOT TEST BASED ON ASTM D 1308-2

10% Hydrochloric Acid	No Effect
10% Sulfuric Acid	No Effect
10% NaOH	No Effect
Saturated Sugar Solution	No Effect
Saturated Salt Solution	No Effect
Ethanol	No effect
Motor Oil	No Effect
Gasoline	No Effect
Xylene	Minor spot
Isobutanol	No effect
Clorox	No Effect

MPI STANDARDS COMPLIANCE

Complies with MPI #72 polyurethane, two component, pigmented, gloss

SURFACE PREPARATION

All surfaces must be cured, clean, dry, and free from dirt, dust, rust, stains, grease, oil, mildew, wax, efflorescence, bond-breakers and other contaminants. Remove all loose, peeling, or chalky paint by sanding, scraping, or any other appropriate methods. Repair all cracks, holes, and other surface imperfections with a suitable patching material. Repaired surfaces should then be sanded smooth and dusted clean. Due to the high resin content, it is important to prime with a suitable primer.

New plaster or masonry surfaces must be allowed to cure (28 days) before applying base coat. Cured plaster should be hard, have a slight sheen and a maximum pH of 10. A soft, porous or powdery plaster indicates improper cure. Never sand a plaster surface; knife off any protrusions and prime plaster before and after applying patching compound. Poured or pre-cast concrete with a very smooth surface should be etched or abraded to promote adhesion, after removing all form release agents and curing compounds. Remove any powder or loose particles.

CAUTION: Scraping or sanding surfaces of older buildings may release dust containing lead or asbestos. **EXPOSURE TO LEAD OR ASBESTOS CAN BE VERY HAZARDOUS TO YOUR HEALTH.** Always wear appropriate personal protective equipment during surface preparation and finish cleanup of any residues by water-washing all surfaces.

APPLICATION CONDITIONS

Do not apply at temperatures below 5 °C or when rain is expected.

APPLICATION METHOD

Stir well Components & wait for 15 minutes before applying the product. Easy to apply by brush, roller or airless spray. Thinner should be added after mixing the components. Too much solvent results in lower sag resistance & slower cure. Applications should be in accordance with BS6150 & BS5493 standards.

For Roller application, dilute at 25%

For spraying use 2 bar pressure with a 1.4-1.7mm nozzle.

DO NOT DIVIDE OR USE HALF OF THE PRODUCT. ONCE THE PACK HAS BEEN OPENED, IT SHOULD NOT BE CLOSED BACK. YOU SHOULD BE COMMITTED TO USING THE PRODUCT.

PACK SIZE

	White/WO	W1	N	Hardener
1 US Quart (kg)	1.22	0.91	0.74	0.15
1 US Gallon (kg)	3.65	2.73	2.23	0.45

TWO-PACK, SELF-PRIMING POLYURETHANE

SHELF LIFE

- Hardener: 12 months from the date of production.
- Base: 24 months from the date of production.

STORAGE AND HANDLING

Care should be taken to avoid spillage. Product should be stored in a dry area and protected from freezing. Extreme temperatures may cause paint to become unusable. For example: freezing and thawing may cause paint to gel, and high heat may cause solid skin to form.

SAFETY

Use under well ventilated conditions. Do not breathe or inhale spray mist or sanding dust. Avoid skin contact; spillage on the skin should immediately be removed with suitable cleanser, soap and water. In case of eye contact, flush immediately with water for at least 15 minutes and seek medical attention immediately. If you have trouble breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.

CLEANING

Remove as much leftover product as possible from the application equipment before cleaning. Clean equipment immediately after use with paint thinner. Do not empty product into drains or watercourses. Wash hands after use in warm soapy water.

DISCLAIMER

Product batches are subject to stringent quality control checks in conformity with ISO 9001:2015, Certificate LB18/234269.

The information submitted in this manual is correct to the best of our knowledge & experience. No liability whatsoever can be accepted based on the information supplied herein.

ANTICARBONATION PRIMER

PRIMER FOR ANTICARBONATION AND WEATHERTEK

DESCRIPTION

AntiCarbonation Primer is a water based, alkali resistant primer, designed to penetrate the concrete substrate and to provide an anchor for subsequent exterior top coats.

RECOMMENDED FOR

Interior & exterior applications on concrete and masonry. Particularly indicated for anti-carbonation coating systems.

KEY FEATURES

- Very good resistance against weathering and ageing
- Excellent adhesion
- Penetrating primer
- Flexible and crack bridging properties
- High hydrophobicity
- High spatter resistance
- Easy application

PHYSICAL PROPERTIES

Solvent Type	Waterborne	
Finish Type	Velvet – Gloss Level 2	ASTM D 523
Gloss	10 at 60°	ASTM D 523
Spreading Rate	Approximately 8-10 m ² /Kg	Depending on surface porosity and application techniques
Average Dry Time	Touch-dry in 30 minutes	Based on ASTM D 1640
Recoat	After 2 to 4 hours	
Flash Point	Not Applicable	
Dry Film Thickness	40 to 50 microns depending on application	
Wet Film Thickness (recommended)	80-100 microns in one coat	
Thinner	Water	
Dilution	10%	
Adhesion	3 N/mm ² on concrete	ASTM D4641
Scrub Resistance	Higher than 1200 cycles	Based on ASTM D2486
Contrast ratio	96% at 7 mils	ASTM D2805
Density	1.30 g/cm ³	
Solids by weight	53%	
Solids by volume	48%	
Viscosity	90 KU ± 5KU	ASTM D562
VOC	40 g/L	
Bases	None	
Colors	White	

6-L13
c-s

ANTICARBONATION PRIMER

PRIMER FOR ANTICARBONATION AND WEATHERTEK

CERTIFICATIONS & COMPLIANCE

This product is compliant with the following standards

- Masters Paint Institute #3 – Primer Alkali Resistant Water Based
- Masters Paint Institute #17 – Primer, Bonding, Water Based

SURFACE PREPARATION

All surfaces must be cured, clean, dry, and free from dirt, dust, rust, stains, grease, oil, mildew, wax, efflorescence, bond-breakers and other contaminants. Remove all loose, peeling, or chalky paint by sanding, scraping, or any other appropriate methods. Repair all cracks, holes, and other surface imperfections with a suitable patching material. Repaired surfaces should then be sanded smooth and dusted clean. New plaster or masonry surfaces must be allowed to cure (28 days) before applying base coat. Cured plaster should be hard, have a slight sheen and a maximum pH of 10. A soft, porous or powdery plaster indicates improper cure. Never sand a plaster surface; knife off any protrusions and prime the plaster before and after applying patching compound. Poured or pre-cast concrete with a very smooth surface should be etched or abraded to promote adhesion, after removing all form release agents and curing compounds. Remove any powder or loose particles.

CAUTION: Scraping or sanding surfaces of older buildings may release dust containing lead or asbestos. EXPOSURE TO LEAD OR ASBESTOS CAN BE VERY HAZARDOUS TO YOUR HEALTH. Always wear appropriate personal protective equipment during surface preparation and finish cleanup of any residues by water-washing all surfaces.

APPLICATION CONDITIONS

Do not apply at temperatures below 5 °C or when rain is expected. Stir well. Apply using brush, roller or airless spray.

APPLICATION METHOD

Stir well. Apply using brush, roller or airless spray.

PACK SIZE

- 1 US Gallon – 4.0 kg
- 1 US Drum – 20 kg

SHELF LIFE

24 months from the date of production.

STORAGE AND HANDLING

Care should be taken to avoid spillage. Store in a dry area. Protect from freezing. Extreme temperatures may cause paint to become unusable. For example: freezing and thawing may cause paint to gel, and high heat may cause solid skin to form.

SAFETY

Use under well ventilated conditions. Do not breathe or inhale spray mist or sanding dust. Avoid skin contact; spillage on the skin should immediately be removed with suitable cleanser, soap and water. In case of eye contact, flush immediately with water for at least 15 minutes and seek medical attention immediately. If you have trouble breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.

CLEANING

Remove as much leftover product as possible from the application equipment before cleaning. Clean equipment immediately after use with warm soapy water and rinse thoroughly. Do not empty product into drains or watercourses.

DISCLAIMER

Product batches are subject to stringent quality control checks in conformity with ISO 9001:2008, Certificate CH12/1128. The information submitted in this manual is correct to the best of our knowledge & experience. No liability whatsoever can be accepted based on the information supplied herein.

دوران
1

ACRYPLUS

SEMI-GLOSS WATER-BASED ENAMEL

DESCRIPTION

AcryPlus is a durable, non-yellowing, water based, interior/exterior enamel paint that dries to a semi-gloss, ultra-smooth and tough finish. AcryPlus can be used in place of traditional oil-based semi glossy enamels while offering users with all the environmental benefits of a water-based paint as well as the performance of an alkyd paint on doors, windows & trims, and wet areas.

RECOMMENDED FOR

Doors, windows & trim or for applications on concrete where a semi-gloss is required.

KEY FEATURES

- Excellent flow and leveling
- Very good opacity
- Excellent chemical resistance
- Non-yellowing
- Low odor & low VOC
- Fast recoat
- Hard wearing & chip resistant

PHYSICAL PROPERTIES

Resin Type	100% Pure Acrylic	
Solvent Type	Waterborne	
Finish Type	Gloss Level 5, a semi-gloss finish	35 to 70 units at 60 degrees
Gloss Values	(20/60/85) = 18.4, 54.2, 75.1 - Semi-Gloss 54.2	Based on ASTM D523
Spreading Rate	Approximately 8-10 m ² /Kg/coat 2-3 coats recommended depending on surface porosity and application techniques N bases might require additional coats depending on color	
Average Dry Time	Touch-dry in 10 minutes	Based on ASTM D 1640
Recoat	2 hours	
Flash Point	Not Applicable	
Dry Film Thickness	40 to 60 microns depending on application	
Thinner	Add up to 10% of clean water for first coat and up to 20% of clean water for the following coats	
Contrast Ratio	95.6% ±0.3 at 100-micron WFT	ASTM D2805
Dry Opacity	98.8% ±0.3 at 200-micron WFT	
Hiding Power		
Adhesion	4B	Based on ASTM D3359
Scrub Resistance	Higher than 10,000 cycles	Based on ASTM D2486
Alkali Resistance	No wrinkling, lifting, disintegration or color change	Based on ASTM D1308-02
Density	1.23 g/cm ³	
Volume Solids	34%	
Storner Viscosity	95-105 KU at 25 °C	
Brookfield Viscosity	2000 – 5000 cP	(Spindle 3/ speed 10) at 25 °C
VOC	Maximum of 20 g/L. Testing Methods Used <ul style="list-style-type: none"> • ASTM D6886 • EPA Method 24(ASTM D2369) • ASTM D3960 • UL 2821 • ISO 11890-2 	<ul style="list-style-type: none"> • Compliant with GS-II Standards, 1993 • Compliant with UL 2818 - 2013 Gold Standard • Compliant with LEED 2009 • Compliant with LEED V4 • Compliant with EU Directive 2004/42/EC • Compliant with SCAQMD Rule 1113, 2004 • Compliant with California Department of Public Health (CDPH) Standard Method V1.1-2010

ACRYPLUS

SEMI-GLOSS WATER-BASED ENAMEL

Bases

W0, W1, N

CERTIFICATIONS & COMPLIANCE

THIS PRODUCT IS GREENGUARD GOLD CERTIFIED

The above-mentioned certification determines our products compliance with the following building codes and programs amongst others:

- CHPS 2.2.2: Paints & Coatings
- LEED 2008, LEED 2009 and LEED V4
- Compliant with LIBNOR 84:1999& LIBNOR 83:1999

This product is compliant with the following standards

- Masters Paint Institute #11 – **Latex, Exterior Semi-Gloss (MPI Gloss Level 5)**
- Masters Paint Institute #54 – **Latex, Interior, Semi-Gloss (MPI Gloss Level 5)**
- Masters Paint Institute #141 – **Latex, Interior, High Performance Architectural, Semi-Gloss (MPI Gloss Level 5)**
- Masters Paint Institute #147 – **Latex, Interior, Institutional Low Odor/VOC, Semi-Gloss (MPI Gloss Level 5)**
- Masters Paint Institute #153 – **Light Industrial Coating, Interior, Water Based, Semi-Gloss (MPI Gloss Level 5)**
- Masters Paint Institute #163 – **Light Industrial Coating, Exterior, Water Based, Semi-Gloss (MPI Gloss Level 5)**
- Masters Paint Institute #311 – **Latex, Exterior, High Performance Architectural, Semi-Gloss (MPI Gloss Level 5)**

SURFACE PREPARATION

All surfaces must be cured, clean, dry, and free from dirt, dust, rust, stains, grease, oil, mildew, wax, efflorescence, bond-breakers, and other contaminants. Remove all loose, peeling, or chalky paint by sanding, scraping, or any other proper methods. Repair all cracks, holes, and other surface imperfections with a suitable patching material. Repaired surfaces should then be sanded smooth and dusted clean and primed with a suitable Colortek primer. New plaster or masonry surfaces must be allowed to cure (28 days) before applying base coat. Cured plaster should be hard, have a slight sheen and a maximum pH of 10. A soft, porous, or powdery plaster indicates improper cure. Knife off any protrusions and prime plaster before and after applying patching compound. Poured or pre-cast concrete with a very smooth surface should be etched or abraded to promote adhesion, after removing all form release agents and curing compounds. Remove any powder or loose particles.

CAUTION: Scraping or sanding surfaces of older buildings may release dust containing lead or asbestos. EXPOSURE TO LEAD OR ASBESTOS CAN BE VERY HAZARDOUS TO YOUR HEALTH. Always wear proper personal protective equipment during surface preparation and finish cleanup of any residues by water-washing all surfaces.

PRIMER SYSTEMS

SURFACE TYPE	RECOMMENDED COLORTEK PRIMER
Drywall	Colortek Primer
Porous Masonry	Colortek Sealer, Colortek Primer
Non-Porous Masonry	Colortek Primer, Colortek Undercoat
Wood	Colortek Undercoat, Wood Primer
Metal	Colortek SX47 StopRust, Adhero, Adhero Quick Dry, Aquazinc

APPLICATION CONDITIONS

Do not apply at temperatures below 5 °C or when rain is expected. Stir well. Apply using brush, roller, or airless spray.

PACK SIZE

	W0	W1	N
US Gallon (kg)	4.16	3.93	3.6
US Quart (kg)	1.04	0.98	0.9

SHELF LIFE

24 months from the date of production.

STORAGE AND HANDLING

Care should be taken to avoid spillage. Store in a dry area. Protect from freezing. Extreme temperatures may cause paint to become unusable. For example: freezing and thawing may cause paint to gel, and high heat may cause solid skin to form.

ACRYPLUS

SEMI-GLOSS WATER-BASED ENAMEL

SAFETY

Use under well ventilated conditions. Avoid skin contact. In case of eye contact, flush immediately with water for at least 15 minutes and seek medical attention immediately. If you have trouble breathing, leave the area to obtain fresh air and seek medical attention immediately.

CLEANING

Remove as much leftover product as possible from the application equipment before cleaning. Clean equipment immediately after use with warm soapy water and rinse thoroughly. Do not empty product into drains or watercourses.

DISCLAIMER

Product batches are subject to stringent quality control checks in conformity with ISO 9001:2015, Certificate LB18/234269. The information submitted in this manual is correct to the best of our knowledge & experience. No liability whatsoever can be accepted based on the information supplied herein.