

# ACRYPLUS

SEMI-GLOSS WATER-BASED ENAMEL

## WATER-BASED ARCHITECTURAL PAINTS



COLORTEK®

### 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

<b>Resin Type</b>	100% Pure Acrylic	
<b>Solvent Type</b>	Waterborne	
<b>Finish Type</b>	Gloss Level 5,a semi-gloss finish	35 to 70 units at 60 degrees
<b>Gloss Values</b>	(20/60/85) = 18.4, 54.2, 75.1	Based on ASTM D523
<b>Spreading Rate</b>	Approximately 5-7 m <sup>2</sup> /Kg	Depending on surface porosity and application techniques
<b>Average Dry Time</b>	Touch-dry in 10 minutes	Based on ASTM D 1640
<b>Recoat</b>	2 hours	
<b>Flash Point</b>	Not Applicable	
<b>Dry Film Thickness</b>	40 to 60 microns depending on application	
<b>Thinner</b>	Add up to 10% of clean water for first coat and up to 20% of clean water for the following coats	
<b>Contrast ratio</b>	95.6% ±0.3 at 100 micron WFT	
<b>Dry opacity</b>	98.8% ±0.3 at 200 micron WFT	
<b>Hiding Power</b>	ASTM D2805	
<b>Adhesion</b>	4B	Based on ASTM D3359
<b>Scrub Resistance</b>	Higher than 10,000 cycles	Based on ASTM D2486
<b>Applicability</b>	Passes	Based on ASTM D7073
<b>Alkali Resistance</b>	No wrinkling, lifting, disintegration or color change	Based on ASTM D1308-02
<b>Density</b>	1.23 g/cm <sup>3</sup>	
<b>Volume Solids</b>	34%	
<b>Stormer Viscosity</b>	95-105 KU at 25 °C	
<b>Brookfield Viscosity</b>	2000 – 5000 cP (Spindle 3/ speed 10) at 25 °C	
<b>VOC</b>	Maximum of 20 g/L.  Testing Methods Used • ASTM D6886 • EPA Method 24(ASTM D2369) • ASTM D3960 • UL 2821 • ISO 11890-2	<ul style="list-style-type: none"><li>• Compliant with GS-11 Standards, 1993</li><li>• Compliant with UL 2818 - 2013 Gold Standard</li><li>• Compliant with LEED 2009</li><li>• Compliant with LEED V4</li><li>• Compliant with EU Directive 2004/42/EC</li><li>• Compliant with SCAQMD Rule 1113, 2004</li><li>• Compliant with California Department of Public Health (CDPH) Standard Method V1.1-2010</li></ul>
<b>Bases</b>	W0, W1, N	
<b>Colors</b>	Can be tinted to all colors	



The Solution Inside





## 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 (acrylic copolymer)
Porous masonry	Colortek Sealer, Colortek Primer (acrylic copolymer)
Non porous masonry	Colortek Primer (acrylic copolymer) Colortek Undercoat (alkyd based)
Wood	Colortek Undercoat (alkyd based)
Ferrous metal	Colortek Adhero

## 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	4.16 Kg	3.93 Kg	3.6 Kg
US Quart	1.04 Kg	0.98 Kg	0.9 Kg

## Shelf Life

24 months from the date of production.

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### 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. 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.

### Technical Assistance

Available through your local COLORTEK® Design Center or through your COLORTEK PAINTS® authorized distributor. For the location of the retailer nearest you, email us at [info@colortek.eu](mailto:info@colortek.eu) or check our website [www.colortek.eu](http://www.colortek.eu).

### 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.