ADHERO

SOLVENT BASED ANTI-CORROSIVE PRIMER

COLORTEK®

DESCRIPTION

Adhero is a high-build, one pack anti-corrosive synthetic Zinc phosphate-based primer formulated to be used as a primer before paint applications on steel structures.

RECOMMENDED FOR

Suitable for multi-surface work where a rust prevention coating is needed in urban areas of moderate pollution levels and industrial areas with high humidity.

KEY FEATURES

- Ideal for rust prevention
- Contains zinc phosphate pigment
- Resistant to water
- Formulated with high grip properties on all surfaces
- Resistant to splashes of mild chemicals
- Available in 3 colors: white, grey and black

PHYSICAL PROPERTIES

Solvent Type	Solvent based	
Finish Type	Flat	
Spreading Rate	Approximately 9 - 10 m^2/ kg	Depending on application methods
Average Dry Time	Touch-dry in 2 hours	Based on ASTM D 1640
Recoat	Overnight	
Dry Film Thickness	Approximately 70 - 90 microns per coat	
Thinner	White spirit Thin up to 20% for airless spraying Thin up to 10% for brush & roller applications Thinner could be used as solvent.	
Adhesion on steel	4.28 MPa	Based on ASTM D 4541
Density	1.59 g/cm^3	
Solids	65 %	
Viscosity	2,000 – 5,000 cP	Measured with Spindle 4, Speed 5
VOC	Maximum of 350	Complies with LEED V4 for specialty primers

SURFACE PREPARATION

Steel Surface Conditions

The steel shall preferably be Rust Grade A or B according to ISO 8501-1. The use of steel with Rust Grade C requires tighter inspection of surface profile after blasting as well as of possible salt contamination.

The final steel condition including welds and edges shall conform to preparation grade P2, ISO 8501-3: “Preparation of steel substrates before application of paints and related products - Visual assessment of surface cleanliness”.

The steel surface shall be thoroughly prepared so that the coating achieves an even distribution at the specified nominal dry film thickness and has adequate adhesion.

Please refer to steel grades table section of the data sheet.

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General Preparations

In order to obtain best performance, abrasive blast cleaning is recommended.

Abrasive blasting/abrasive sweep blasting: Before blasting any deposits of grease or oil must be removed from the steel surface with a suitable detergent followed by high pressure fresh water cleaning.

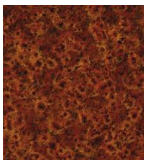
Minor spots of oil/grease may be cleaned with thinner and clean rags - avoid smearing out the contamination.

Possible alkali weld deposits, chemicals used for testing of welds, soap residues from the pressure testing must be removed by fresh water hosing. Abrasive blasting to Sa 2½ (ISO 8501-1:2007) with a sharp-edged surface profile corresponding to Rugotest No. 3, BN10a-b, Keane-Tator Comparator, 2.0 G/S, 2 S, or ISO Comparator, Medium (G).

Spot-repairs

Clean damaged areas thoroughly by power tool cleaning to minimum St 3 or by abrasive blasting to minimum Sa 2, preferably Sa 2½. As an alternative, water jetting to minimum Wa 2 (ISO 8501-4:2006) may be used or according to specification. Feather edges to sound and intact areas. Brush off loose material. Touch up to full film thickness.

STEEL RUST GRADES

RUST GRADES BASED ON ISO 8501-1		UNBLASTED	1 BLAST CLASS	2 BLAST CLASS	2.5 BLAST CLASS	3 BLAST CLASS
RUST GRADE A	Steel surface largely covered with adherent mill scale but little, if any, rust.					
RUST GRADE B	B Steel surface which has begun to rust and from which the mill scale has begun to flake.					
RUST GRADE C	Steel surface on which the mill scale has rusted away or can be removed by scraping, but with slight pitting visible under normal vision.					
RUST GRADE D	Steel surface on which the mill scale has rusted away and on which general pitting is visible under normal vision					

APPLICATION CONDITIONS

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

APPLICATION METHOD

Stir well. Easy to apply by brush, roller or airless spray.

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PACK SIZE

	Adhero Black	Adhero Grey	Adhero White
Gallon	4.4 kg	5 Kg	5 Kg
Quart	1 kg	1.2 kg	1.2 kg

SHELF LIFE

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 experience difficulty 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 mineral spirits or paint thinner. Do not empty product into drains or watercourses. Wash hands after use in warm soapy water.

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 or check our website 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 on the basis of the information supplied herein.