

PRODUCT INFORMATION

Product Description	Megashield™ Universal Primer HS - Aluminum is a two-component, aluminum pigmented universal epoxy paint with synthetic minerals cured with curing agent having excellent cathodic protection for under water application. It cures a hard, tough and abrasion resistant coating with superior anticorrosive properties, good resistance to sea water and various oils and significantly crack resistance properties.	
Features	Crack resistance, Superior anticorrosive and mechanical properties, fast drying.	
Intended Uses	As a universal epoxy primer / self-primed superior performance for atmospheric or in-water service. For marine and protective use as anti-corrosives coating to ensure maximum corrosion protection performance. For marine use, use for new buildings, maintenance, and repairs.	
Product Data	<p>Color</p> <p>Finish / Sheen</p> <p>Curing Agent (Part B)</p> <p>Volume Solids (Mixed)</p> <p>Mixed Ratio</p> <p>Typical Film Thickness</p> <p>Theoretical Coverage</p> <p>Method of Application</p> <p>Flash Point (Mixed)</p> <p>Induction Period</p>	<p>XHS002 – Aluminum, XHS003 – Bronze</p> <p>Semi-Gloss</p> <p>XPB550</p> <p>77 ± 2.0% (ISO 3233:1998)</p> <p>4 volumes PART A to 1 volume PART B</p> <p>125 microns dry (175 microns wet)</p> <p>6.0 m²/L at 100 microns DFT, allow appropriate loss factor</p> <p>Airless Spray, Brush, Roller</p> <p>23°C / 73°F</p> <p>Not required</p>

APPLICATION DETAILS

Mixing	Material is supplied in two pack containers Part A & Part B. Agitate Part A with a power agitator. Combine entire contents of Part B with Part A and mix thoroughly with power agitator.
Thinner	EPOXY THINNER MTC 369. Thinning is not normally required. Consult the technical representative for advice during application in extreme conditions. Do not thin more than allowed.
Pot-life	1 Hour Maximum
Cleaner	EPOXY THINNER MTC 369
Airless Spray	Applicable



Brush/ Roller

Applicable

DRYING INFORMATION

	28°C	32°C
Touch Dry (ISO1517:73)	2 Hours	60 Minutes
Hard Dry (ISO9117:90)	24 Hours	17 Hours
Fully cured	7 Days	7 Days

OVERCOATING DATA – See Limitations

Overcoated by:	28°C		32°C	
	Min	Max	Min	Max
Megashield™ Universal Primer HS – Aluminum	24 Hours	7 days	17 Hours	7 days
Megashield™ Tie Coat - Grey	8 Hours	7 days	3 Hours	7 days

SYSTEMS AND COMPATIBILITY

Recommended Tie Coat:
Megashield™ Tie Coat - Grey

Recommended topcoats:
Physically Drying Antifoulings

STORAGE AND HANDLING

Storage The product can be stored in sealed containers at 28 °C for a minimum of one year. Store in dry, shaded conditions, and away from sources of heat and ignition

Pack Size 20 liters kit & 4 liters kit

SURFACE PREPARATION

Use in accordance with the Worldwide Marine Specifications. All surfaces to be coated should be clean, dry, and free from contamination. High pressure freshwater wash or freshwater wash, as appropriate, and remove all oil or grease, soluble contaminants, and other foreign matter in accordance with SSPC-SP1 solvent cleaning. Megashield™ Universal Primer HS - Aluminum should be used in accordance with the specification given by Megapaint. This substrate surface should be dry and free of all contamination (oil, grease, salt etc.) before application.

SAFETY PRECAUTIONS

Avoid contact with skin and eyes use proper equipment when handling material (i.e., gloves, goggles, face mask, barrier creams, etc.) Wash affected skin with lukewarm water and soap or suitable industrial cleaner. If come contact with eyes, flush eyes with water for at least 10 minutes and seek for immediate medical attention.



Important Note:

The details in this datasheet are not meant to be comprehensive. MegaPaint is not liable for any use of the product that is not specifically recommended in the datasheet without written permission. Any warranty, if given, or specific Terms & Conditions of Sale are contained in MegaPaint's Terms & Conditions of Sale. The recommendations and remarks in this datasheet and by representatives regarding this product are accurate to the best of our understanding, but we cannot assure outside factors such as the quality of substrate when applying our product. Thus, we are not responsible for any damages except in cases where there is a written agreement regarding the use of our product. The details in this datasheet are subject to change without prior notice due to alterations brought about by local laws or improvement of our product.

All trademarks mentioned in this publication are owned by, or licensed to, Megapaint Corporation.