

**TRIDENT WELDABLE PRIMER**  
PRODUCT DATA SHEET

**A SPECIALLY FORMULATED EPOXY BASED PRIMER FOR GOOD RESISTANCE TO  
ABRASION, CHEMICALS & CORROSION**

PRODUCT INFORMATION	
<b>DESCRIPTION</b>	Trident Weldable Primer is a high-performance, rust-preventive shop primer formulated for direct application on ferrous and non-ferrous substrates, providing long-term protection against atmospheric corrosion during extended periods of outdoor steel storage. The aluminized film delivers an even metallic finish and is designed for use in demanding fabrication environments where reliable weld-through performance and corrosion protection are required.
<b>FEATURES &amp; BENEFITS</b>	<ul style="list-style-type: none"> <li>• Ideal for extended periods of outside steel storage</li> <li>• Fully weld-through; welding arc can be struck and maintained without primer removal</li> <li>• Temperature resistant up to 800°F (427°C)</li> <li>• Aluminized finish for durable metallic appearance</li> <li>• Versatile application by spray, brush, or dip processes</li> <li>• Up to 15-year performance warranty available, subject to Trident’s terms, surface preparation, system build, and environmental conditions</li> </ul>
<b>STANDARD</b>	Conforms to reference spec ISO 12944-2018
<b>USAGE</b>	General purpose primer in epoxy systems for steel exposed to atmospheric land and marine conditions. Ideal for use as a priming coat on power plants, steel structures, tank exteriors, bulk handling equipment.
<b>GLOSS</b>	Egg Shell / Semi-glossy / Glossy
<b>COLOUR</b>	As per available shades
<b>FINISH</b>	Smooth, Uniform & free from Pin Holes & Orange Peels
<b>PACKAGING</b>	20 Litres
<b>SHELF LIFE</b>	Up to 12 onths from the date of production
<b>STORAGE CONDITIONS</b>	Store properly in undamaged and unopened original sealed packaging in cool and dry conditions.

TECHNICAL DATA	
Skimming / Settling	No Skimming, Nil or Soft Settling
Mixing Ratio	Base: Catalyst (4 : 1)
Application	By brush, Pot Gun or Air less Spray Gun

Fineness of grind	7+ Microns on Hegman Gauge
Flash Point	> 25°C
Drying Time* <ul style="list-style-type: none"> <li>• Surface Dry</li> <li>• Hard Dry</li> <li>• Overcoating Interval</li> <li>• Full Cure</li> </ul>	<ul style="list-style-type: none"> <li>• 45–60 min</li> <li>• 8 hrs</li> <li>• 24 hrs</li> <li>• 7 days</li> </ul>
Volume Solids	85 ± 5 %
Recommended Dry Film Thickness	55 - 80 Microns
Theoretical Covering	8.1 – 11.9 M <sup>2</sup> /Lit

\* Varies depending on substrate temperature, DFT & other prevailing site conditions

SYSTEM INFORMATION		
Layer	Product	# Of Coats
Primer	Trident Organic/Inorganic - Zinc Primer	As Recommended
Intermediate	Trident Tuff Guard Intermediate	As Recommended
Protective Coating	Trident Fluorochem Paint	As Recommended

APPLICATION INFORMATION	
<b>Surface Preparation</b>	<ul style="list-style-type: none"> <li>• Surfaces must be dry, clean and free from contaminants</li> <li>• Ensure removal of dirt, dust, oil, grease, fungi, algae and all other contaminants that could interfere with adhesion of the coating. Oil and grease should be removed as per SSPC-SP1 solvent cleaning.</li> <li>• Surface should be checked and treated in accordance with ISO 8504 prior to priming</li> <li>• Suitable epoxy primer or intermediate; dry and free from all surface contamination. In case of aged epoxy coating, the surface should be sufficiently roughened prior to painting.</li> </ul>
<b>Mixing</b>	The materials are supplied ready for use. Stir thoroughly prior to application.
<b>Pot Life @ 30°C</b>	Up to 5 Hours
<b>Dilution</b>	5-10% or as per specific requirement
<b>Ambient Air Temperature</b>	+10 °C min. / +40 °C max
<b>Substrate Temperature</b>	+10 °C min. / +40 °C max
<b>Relative Air Humidity</b>	< 80%
<b>Dew Point</b>	Substrate and ambient temperature must be at least 3 °C above dew point

**Application Tools**

By roller, brush or conventional/airless spray (nozzle size 0.38 - .48 mm for airless spray)

**HEALTH & SAFETY**

- Wear eye/hand protection
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- In case of contact with skin wash immediately with soap and water. Do not use solvents or thinners.
- Do not breathe vapour / spray
- Keep away from food, drinks and animal feed
- Store in a cool and shaded place
- Keep out of reach of children
- Use only in well ventilated areas
- Do not empty into drains or water courses
- Do not use empty container for storing food
- Please refer to our MSDS prior to using the product

**DISCLAIMER**

*The information provided on this data sheet is not intended to be complete and is provided as general advice only. It is the responsibility of the user to ensure that the product is suitable for the purpose for which he wishes to use it. As we have no control over the treatment of the product, the standard of surface preparation of the substrate, or other factors affecting the use of this product, we are not responsible for its performance nor would we accept any liability whatsoever or howsoever arising from the use of this product unless specifically agreed to in writing by us. The information contained in this data sheet may be modified by us from time to time, and without notice, in the light of our experience and continuous product development.*