

# PRODUCT DATA SHEET

## HD ZR PRIMER - 282



<b>Description:</b>	HD ZR Primer 282 is a two-pack epoxy shop primer for metal surfaces, based on Zinc dust main pigment. It has excellent anticorrosive properties.
<b>Recommended use:</b>	Ideal suitable for use on mild steel surface for new and old surfaces such as onshore and offshore structures, platforms, pipelines, refineries, petrochemical plants and bridges. It is very good prefabrication primer.
<b>Service temperatures:</b>	Maximum, dry exposure only: 150°C

### Physical Properties:

Colours/shade Nos.:	Grey*
Finish:	Flat
Volume solids, %:	60 ± 2 %
Theoretical spreading rate:	8.9 m <sup>2</sup> /litre, 45 microns
Flash point:	20°C
Specific gravity:	1.7 kg/litre
Surface-dry:	15 minutes at 30°C
Dry to Handle:	3 hours at 30°C
VOC content:	410 g/litre

### Application details:

<b>Version, mixed product</b>	<b>HD ZR Primer 282</b>
Mixing ratio:	HD ZR 282 BASE : HD ZR 282 Curing Agent 4: 1 by volume
Application method:	Airless spray/ Air Spray/Brush
Thinner (max.vol.):	Epoxy Thin (5%) / Epoxy Thin (5-10%) / Epoxy Thin (0-5%)
Pot life:	5-6 hours at 30°C
Nozzle orifice:	.015"-.017"
Nozzle pressure:	220 bars [3200 psi] <i>(Airless spray data are indicative and subject to adjustment)</i>
Indicated film thickness, dry:	50 -70 Micron
Indicated film thickness, wet:	90 - 120 Micron
Overcoat interval, min:	8 Hrs
Overcoat interval, max:	12 Hrs

**Safety:** Handle with care. Wear Necessary PPEs like safety shoes, gloves, goggles.

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<b>Surface preparation:</b>	The surface to be painted should be abrasive blasted to minimum Sa 2½ ISO 8501-1. It is important that the standard should be maintained until the paint is applied on. If rust bloom begins to form before the steel surface is coated, it will be necessary to reblast the steel. The surface must be dry and free from abrasive residues and other contaminants before the paint is applied.
<b>Application conditions:</b>	Do not apply when the relative humidity exceeds 85% or when the surface to be coated is less than 3 <sup>0</sup> C above the dew points. Do not apply at temperature below 7 <sup>0</sup> C. If not, drying and over coating times will be considerably extended. During application of the paint, naked flame, welding operation and smoking should not be allowed and good ventilation is necessary.
<b>Remarks/Notes:</b>	
<b>Film thicknesses/thinning: (optional)</b>	May be specified in another film thickness than indicated depending on purpose and area of use. This will alter spreading rate and may influence drying time and recoating interval.
<b>Overcoating note: (optional)</b>	If the maximum over coating interval is exceeded, roughening of the surface is necessary to ensure intercoat adhesion. Remove zinc salts or other contamination before over coating. The surface must be dry and clean prior to application.

This Product Data Sheet supersedes those previously issued.

Data, specifications, directions and recommendations given in this data sheet represent only test results or experience obtained under controlled or specially defined circumstances. Their accuracy, completeness or appropriateness under the actual conditions of any intended use of the Products herein must be determined exclusively by the Buyer and/or User.

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