



# RAINBOW

## CATHOZINC SHOP PRIMER TYPE-2

PRODUCT NUMBER	No.1021(SP-09)
TYPE	A two-pack, inorganic zinc rust preventive paint based on ethyl silicates, additives and zinc powder.
USES	Shop primer for blast-cleaned steel plates for ships, tanks and coastal facilities.
CHARACTERISTICS	<ol style="list-style-type: none"><li>1. Excellent resistance to corrosion and weathering.</li><li>2. Excellent heat resistance with slight scorched areas in cutting and welding.</li><li>3. Very good properties for EPM operations.</li><li>4. Excellent cutting and welding properties.</li><li>5. Excellent brushability.</li><li>6. Very slight zinc fume in cutting and welding, great safety for working personnel.</li><li>7. Only trace of white rust after long out door exposure.</li><li>8. Excellent overcoat ability with various kind of coatings.</li><li>9. No zinc dust annoyance during application.</li></ol>
FINISH	Flat
COLOR.	Grayish green, Grayish Red
FLASH POINT	Above 14°C (57°F) (mixture)
SPECIFIC GRAVITY.	1.35 (Mixture)
VISCOSITY	1 HS Cup 8 ~ 12 secs. (Mixture) (25°C)
DRYING TIME	Set-to touch 2 mins.                      Dry hard 5 mins. (25°C, RH=75%)
OVERCOATING INTERVALS	Min. 48 hrs.                      Max. 12 months (25°C)
OPTIMUM FILM THICKNESS	Wet 54 microns (2.2 mil)                      Dry 15 microns (0.6 mil)
VOLUME SOLIDS	Above 28% (mixture)
THEORETICAL COVERAGE	18.5 m <sup>2</sup> /L                      14.6 m <sup>2</sup> /Kg                      0.054 l/m <sup>2</sup> 70.0 m <sup>2</sup> /Gal
MIXING RATIO	Binder Resin : Zinc powder Additives = 35 :65 (by wt.)
THINNER	SP-14 Cathozinc shop primer type-2 Thinner
THINNING RATE	Ready for use, don't blend in any thinner
POT LIFE	24 hrs. (25°C, mixture)
SUBSEQUENT COATS	Chlorinated Rubber, Epoxy, Vinyl, Polyurethane or Alkyd paint systems.
SURFACE TREATMENT	SIS Sa 2 1/2
STORAGE SHELF LIFE.	Minimum 1/2 year under normal storage conditions.
APPLICATION METHOD	Airless Spray, Brush, Roller
FOR AIRLESS SPRAY	Tip Size                      0.017"~ 0.021" Air Pressure                      3 ~ 5 Kg/cm <sup>2</sup> Tip to Object                      30 ~ 50cm
NOTE	<ol style="list-style-type: none"><li>1. Pour additives to binder with thorough blending, and stir constantly during application to prevent settling.</li><li>2. All equipments must be cleaned immediately after use.</li><li>3. Can be applied during 0~50°C ambient temperature and 40~85%relative humidity.</li><li>4. Steel surfaces must be blast-cleaned to or above SIS Sa 2 1/2 as per ISO8501-1 on damaged shop primer.(The roughness should be 30~75 μm as per ISO8503-1/2:1998)</li><li>5. Dust quantity rating "1"for dust size class "3", "4"or"5".lower dust size classes to be removed if visible on the surface to coated without magnification(ISO 8502-3:1992).</li><li>6. Water soluble salts testing result below 50 mg/ m<sup>2</sup> of sodium chloride as per ISO 8502-6,8502-9.</li></ol>

EPDM101021XX V1.1

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