



Cerany H.B. IZ1995 (Two-Component)

Product Description

A ceramic resin and special anti-corrosion pigment based self curing prefabrication coating with outstanding white-rust resistance property.

It promotes workability to 2nd surface preparation by very good workability and resistance to heat and rust. Welds made over Cerany H.B. IZ1995, coated steel are equal in every respect to welds joining uncoated steel prior to fabrication. It protects the substrate from corrosion with cathodic protection mechanism in normal and marine environments. Coated steel can be welded as quickly and easily as bare steel at production line speeds, with no loss in strength or consistency of the weld. It has good flexibility, excellent weather resistance and good abrasion resistance. Temperature resistance for continuous service up to 600 °C/1,112 °F, for non-continuous service up to 800 °C/1,472 °F.

Recommended Use

As a shop primer in shipyards, tank and structural steel fabricating shops and steel mills. It can be also applied to insulation areas of the engine room of a vessel. It has many cost saving advantages over conventional shop primers.

It is not recommended for exposure to acid, alkalis.

Physical Properties

Finish and Color Flat. Grey(1184)

Drying Time

Substrate temperature	5 °C/41 °F	20 °C/68 °F	30 °C/86 °F
Set to touch	10 min	4 min	3 min
Dry through	25 h	10 h	5 h

* The actual drying time is subject to the film thickness, ventilation, humidity etc., and drying time under other temperature conditions should be checked and informed by KCC.

Solids by Volume Approx. 34 %

Theoretical Spreading Rate

8.5 m²/L in 40 μm dry film thickness on a smooth surface.

Specific Gravity

Approx. 1.5 for Mixture of Paste and Liquid.

Flash Point

Liquid (IZ1995 LIQUID) : 13 °C/55.4 °F (Closed cup)

Paste (IZ1995 PASTE) : 4 °C/39 °F (Closed cup)

Application Details

Surface Preparation

Remove any oil and grease from the surface to be coated with clean rags soaked in Thinner No. 0608.

* Steel : Blast cleaning to Sa2.5, Power tool cleaning to St3.

* For insulation part of the dry space ;

Blast cleaning to Sa2.5 or Power tool cleaning to St3, St2, etc. on the shopprimed surface.

Application Conditions

	Surface Temp.	Relative Humidity
Normal	4°C ~ 43°C	50% ~ 90%
Min.	-18 °C	10 %
Max.	93 °C	95 %

Special thinning and application may be required above or below normal conditions.

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Mixing	Liquid (IZ1995 LIQUID / NV) : Paste (IZ1995 PASTE / NV) = 7.6 L : 7.4 L (by volume) Mix separately, then combine and mix the mixture thoroughly prior to application. Use the mixture after filtering with 50 mesh screen..
Pot Life	24 h at 20 °C / 68 °F
Thinning	Below 25 °C / 77 °F : 0608 Above 25 °C / 77 °F or windy conditions : 0614
Application Method	Spray : Use adequate air volume for correct operation. Hold gun 20 ~ 25 cm from the surface and at a right angle to the surface. Use a 50 % overlap with each pass of the gun on irregular surfaces, coat the edges first, making an extra pass later. * For conventional spray ; Use agitated pot and maximum 15 m hose. Keep pot at same elevation as gun. If spraying stops for more than 15 minutes, blow material from hose back into pot. * For airless spray application ; Nozzle orifice : 381 μm ~ 533 μm (0.015" ~ 0.021") Output pressure : 9.6 MPa ~ 12.4 MPa Fan : 40 ° ~ 90 ° (Airless spray data are indicative and subject to adjustment)
Typical Film Thickness	25 ~ 40 μm dry.
Recoating Interval	At 25 °C / 77 °F, Minimum : 5 h (with other type topcoat system) Maximum : Free Before overcoating, remove any oil, salt, chalking material and any other contaminants on aged coating film completely by proper cleaning method such as solvent cleaning and/or fresh water washing.
Shelf Life	12 months
Storage	Keep away from heat and ignition sources and store in a cool well-ventilated place. Do not store at ambient temperature below 5 °C or above 40 °C.
Heat Resistance	Continuous : 600 °C / 1,112 °F (Non-immersion service) Non-continuous : 800 °C / 1,472 °F (Non-immersion service)
Standard Packing Unit	15 L (IZ1995LIQUID : 7.6 L, IZ1995PASTE : 7.4 L)
Remarks	Cerany H.B. IZ1995 will skin if left in opened cans. Skin has no effect on performance, but should be removed before using. Clean tools with suitable thinner immediately after use. Remove hardened material with 10 % caustic solution. Keep away from sparks and open flame.
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