



Product Description

Health Epoxy Coating (HB) is a two component Polyamide cured epoxy coating which in suitable system gives excellent adhesion and hardness.

Recommended Use

This coating is used for protection drinkable water storages and pipes.

Surface Preparation

1: All surface to be coated should be clean, dry and free from contamination prior to paint application, all surfaces should be assessed and treated in accordance with ISO8504:1992.

2: To follow of interval coating of prior coat, areas of breakdown, damage etc, should be prepared to the specified standard (e.g. Sa21/2(ISO8501-1:1988) or SSPC-SP6) and patch prior coated to the application of Health Epoxy Coating (HB).

Product Description

Shade:	White
Percentage of Vehicle:	40%-45%
Percentage of Pigment & extender :	55%-60%
Wet film thickness:	150-175μ
Dry film thickness:	100-110μ
Theoretical Coverage:	5-7 m ² /kg
Mixing ratio by weight: B/A	25:3.5
Specific gravity :	1.3-1.5 Kg/Lit
Viscosity:	110-120 k
Salt spray chamber test:	300h(ASTM B-117)
Humidistatic chamber test:	300h (ASTM D-2247)
Recoating interval time:	1-7 days
Curing mechanical :	Solvent vaporization and reaction between two components
Thinner :	Epoxy Thinner Rangin Zereh Sepahan
Shelf life:	A= 12 month , B= 12 month
Flash point:	30°C

Dry times are dependent on applied film thickness, all data in this catalogue are reported at recommend D.F.T in laboratory conditions.

Temperature	Touch dry	Full cure	Interval coating	Pot life
15°C	5-7hours	Minimum7 days	24-36hours	8 hourse
25°C	3-4hours	7 days	16-24 hours	6 hourse
40°C	2-3hours	5days	12-16hours	4 hourse





Environmental Conditions

To prevent moisture condensation during application surface temperature must be at least 3 °C above the dew point .In hot climate, material temperature should be 20 to 25°C.For satisfactory cure air and surface temperature must be above 10°C.Never apply coatings under reverse environmental condition .Paint shall not be applied when wind speed is in excess of 7 m/s.

Application Details

Airless spray	Tip range: 0.015-0.021inch Total out put pressure at spray tip not less than 141 bar.
Air spray	Nozzle orifice:1.8-2.0 mm Nozzle pressure:3-5 bar
Brush	20-30μ (touch up)
Roller	20-30μ (touch up)

Application Procedure

- 1: Flush all equipment with recommended clear before use.
 - 2: Stir part A with a power mixer.
 - 3: Add curing agent (part B) to part A, and continue stirring for 5 minutes.
- Note: since the pot life is limited and shortened by high temperatures, do not mix more material than will be use.
- 4: For air spray, thin with no more than 5-10% of recommend thinner for workability, for airless spray 5% of thinner is normally sufficient.
 - 5: Apply wet coat by parallel passes overlap each pass 50% to avoid bare areas.
 - 6: Double coat all welds, rough spots, sharp edges, rivets, bolts, et , to ensure proper thickness .
 - 7: If the minimum interval recoating of this coating is exceeded, and greater thickness of this coating is required, the surface must be smoothly wire brushed.
 - 8: Clean all equipment with recommend cleaner immediately after use.

Safety

This product is flammable keep away from heat and open flame operator (accordance MSDS of this product) must use special mask and safety gloves and operation should be performed in environments which is equipped with suitable air conditions.

Storage Conditions

Store in closed container and away from direct sunlight at temperature of 5-35 °C.

