RONASS UNDERWATER GLASS FLAKE EPOXY COATING
RTB-1285 (A&B COMPONENTS)

Special heavy-duty two-component epoxy coating specifically formulated for splash zone areas and underwater application, featuring excellent mechanical properties and outstanding filling and adhesion capabilities for both dry and wet surfaces.

USES

Recommended Uses

Single coating system recommended for a wide range of applications including the protection of risers, piles, water pipes and structures below the splash zone, and in off-shore areas. This product is also used to repair holes, leaks, cracks and other defects with minimum effort and downtime.
Specifically designed for application underwater or in very wet areas as a protective coating for poorly prepared metal and concrete substrates. Ideal for use on wet and saturated metal and concrete, and for hand-prepared or hydro-blasted surfaces.

CHEMICAL COMPOSITION

Type of Binder	Epoxy Vinyl – Polyamide	Solid Content After Mixing	100% By Weight
Number of Component(s)	2 Components		100% By Volume
Curing Mechanism	Chemical Reaction	Flash Point	150°C (300°F)

PHYSICAL PROPERTIES

Finish	Semi gloss
Colour	Wide range available according to the RAL colour system
Specific Gravityafter Mixing	1.50 ± 0.05 gr/cm³

APPLICATION DETAILS

Surface Preparation

Above Water: Remove all loose contamination by wire brushing or scraping. For small areas, roughen with a mechanical abrader. For larger areas, a suitable angular metallic or non-metallic abrasive should be chosen to give a minimum profile of 120 µm. Abrasive blast the surface to Swedish Standard (SIS 5900) Sa 2½. (Roughness: min 120 µm).
Underwater: Remove all loose contamination by wire brushing or scraping. Remove any scale, dirt and grease with waterproof abrasive paper.

Mixing Ratio

Component A: 100 Parts by weight Component B: 40 Parts by weight

Mixing Instructions

Mix component A thoroughly with a suitable mixer, then add component B slowly and mix well for 5 minutes. Keep the mixture for 5 additional minutes prior to thinning down to allow for the pre-reaction time.

Pot Life

3.5 Hours at 5°C | 3 Hours at 10°C | 2.5 Hours at 15°C | 2 Hours at 20°C

Theoretical Consumption

1500 gr/m² @ 1000 Microns DFT

Paint Application

Methods	Airless Spray	Air Spray	Brush	Roller
Nozzle Size	0.031" – 0.049"	---	---	---
Pump Ratio	1 / 68	---	---	---
Air Pressure	5 – 8 Bar	---	---	---
Thinning	Never thin down product			

Method of Application

Above Water	Airless Spray, Brush, Roller, Trowel
Underwater	Syringe, Trowel, Spreading Knife, Spatula, Mitts

Film Thickness

Wet Film Thickness (µm)	Up to 2000 Microns
Dry Film Thickness (µm)	Up to 2000 Microns

Drying Time

	5°C	10°C	15°C	20°C
Curing Time	12 Hours	10 Hours	8 Hours	6 Hours
Complete Curing Time	1 Day	11 Days	9 Days	7 Days
Recoating Time	Unlimited			

Application Limits

Relative Humidity	Min. ---	Max. ---
Temperature	Min. +5°C	Max. +40°C

Recommendations

Clean tools thoroughly before and immediately after use with T-445.

PACKING, STORAGE AND SAFETY

Packing

Component A(Epoxy): 20 Litres Containers (5 kgs. Net) and Component B(Hardener): 10 Litres Containers (2.5 kgs. Net)

Storage Conditions

To be stored in cool and dry conditions in original sealed containers.

Shelf Life

At least 12 months after delivery in original sealed containers and proper storage conditions with temperature of 25°C.

Safety

This product contains organic solvents and flammable materials. Keep away from sparks, fires, electrical cables and equipments,direct sunshine and out of children's reach.
Protect skin, eyes, and avoid prolonged breathing of solvent vapor during application. Use with adequate ventilation.