

MiproGlass

Flake filled Corrosion resistant coating & lining systems



What is MiproGlass?

This is an extremely corrosion resistant coating & lining system that utilizes highest purity chemical grade glass flake of different sizes. When formulated with our Polyester (Isothelic & Bisphenol), Vinyl Ester, Superior Vinyl Ester, Epoxy, Hybrid Epoxy and Furan resins, the glass flakes overlap and stratify to create a maze-like structure that is eight times more impermeable than resin alone. This also provides greatly improved elongation and compression qualities, allowing the coating to move with the substrate during temperature variations, as well as creating excellent abrasion resistance.

Where is MiproGlass effective?

MiproGlass can be applied over metal, concrete or FRP. MiproGlass provides highest corrosion resistance in areas such as: primary and secondary containment, process industries, floors, drains, ducting, reaction & storage vessels & tanks etc. Consult our technical department for product selection & recommendation for specific application that ensure success.

Why MiproGlass is the best?

By sizing our flakes and processing with premium quality resin system, we create consistent strata that eliminate small particles, which allow corrosive materials to penetrate through coating & lining. This process also allows us to create coating & lining systems, which is sag resistant, solvent-free. This gives you excellent physical and chemical and corrosion resistant properties.

Who can be the MiproGlass customers?

We serve a wide national clientele, which include Chemicals, Dye, Dye-Intermediate, Steel, Pulp & Paper, Petro-chemicals, Fertilizers, Food & Pharmaceuticals, Power, Marine, Water treatment & Wastewater treatment plant, Caustic-Chlorine, Heavy Chemicals etc.



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About “MiproGlass” Flake filled coatings and linings

MIPROGLASS glass flake filled coatings & linings are formulated from high purity, chemical resistant glass flake, premium quality resins and other special additives & fillers. The combination of high performance resins & glass flakes produce coatings & linings with outstanding performance characteristics, which can be applied by brush, trowel and spray.

THE GLASS FLAKE ADVANTAGE

✓ Permeation Resistance

Next to chemicals resistance permeation is the key factor affecting the life of coating & lining. Approx. 125 to 150 overlapping layers of glass flakes in each 1mm thickness of coating & lining reduces permeability to minimal levels preventing corrosive media to reach the concrete, steel or any sub-base.

✓ Undercutting Resistance

The glass flake improves the coating & lining bond with sub-base. Thus damaged areas will not undercut, delaminate or peel. The damage due to impact will be localized.

✓ Abrasion & Corrosion Resistance

The glass hard coating & lining has excellent resistance to abrasion and corrosion, and will resist all but the severest abrasion.

✓ Long Life/Lower Costs

Because of the above features our **MIPROGLASS** coating & lining last longer reducing maintenance and down time costs. The result is lower costs per sq. meter per year.

✓ Covers Corroded Plates

The coating & lining can be used to fill pits and cavities in old corroded steel extending services life before replacement and reproducing the original contours.

✓ Rapid Cure

Speed of cure depends on the prevailing temperature but typically is about 4-6 hours initial hardening. For chemical resistance 72 hours at 35° C will be needed.

✓ Machinable

If used for lining pumps and valves the coating can be machined by normal metal working tools to produce the desired contours.

✓ Reparability

Polyester and Vinyl ester systems can be over coated with good inter coat adhesion even after years of services, thus repair is very easy and effective.

✓ Flexibility

Flexible versions will stay bonded with substrate even at highest expansion & contraction, movements.



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