

Wellcoat Corrosion Control

Linings Coatings Flooring Materials

Polymer Grouts Mortars Sealants



Wellcoat Corrosion Technology Company

No 2-3, Sung Pu North Lane, Niasung Hsiang,
Kaohsiung, Taiwan
Phone : 886-7-731-0612
Fax : 886-7-732-0848
E-mail : wellcoat@wellcoat.com.tw
Website : www.wellcoat.com

Wellcoat Corrosion Technology

A leading manufacturer and applicator of protective linings, flooring materials, coatings, polymer grouts, mortars and sealants with expertise in all aspects of corrosion and heat resistant materials and abrasion protection for metallic and non-metallic and concrete substrates. In addition, we are the licensed manufacturer for Henkel Corrosion Engineering USA for the Asia Pacific region.

Corrosion Control Specialists

■ Design

■ Manufacturing

■ Supply

■ Installation

Wellcoat corrosion control systems provide a wide range of industrial applications and are field proven for corrosion resistance in the most severe immersion or splash / spillage chemical and temperature conditions.

Industry Applications

- Power Plants & FGD Systems
- Electronics Manufacture
- Pharmaceutical Manufacture
- Food & Beverage Plants
- Biochemical Plants
- Petrochemical Industry
- Steel & Stainless Steel Works
- Waste Water Treatment
- Slip Resistance For Ship Decks
- Metal Treatment
- Transportation
- Hospitals
- Mineral Processing
- Mining
- Harbors
- Ship Yards
- Fertilizer Plants
- Incinerators
- Dams
- LG & LPG

Wellcoat Innovative Products

Lining & Coating Systems



FlakeGuard - Wellcoat FlakeGuard systems are premium vinyl ester, novolac vinyl ester and polyester thick and thin film linings and coatings with inert fillers & various kinds of flakes with a moisture permeability of less than 0.0005 perm / inch. FlakeGuard provides resistance to 75% sulphuric acid, 50% chromic acid, 50% nitric acid, glacial acetic acid, salts, solvents, bleaches, organic acids and high temperature up to 204°C.

LineGuard - Wellcoat LineGuard monolithic linings of vinyl ester, novolac vinyl ester, epoxy, novolac epoxy and polyester provide outstanding corrosive chemical and temperature resistance as well as a durable linings for immersion or mechanical abuse. Temperature resistance for immersion service is up to 93°C.

Flooring Systems

FloorGuard - Wellcoat FloorGuard systems are high performance epoxy, novolac epoxy, vinyl ester and novolac vinyl ester floor topping systems designed for clean ability, chemical resistance, ESD, conductive, impact, abrasion resistant and crack-bridging capabilities.



Wellcoat flexible self leveling, seamless, high gloss static dissipative and conductive epoxy flooring meet all specifications for conductive control.



CreteGuard - Wellcoat CreteGuard Systems of epoxy, novolac epoxy, vinyl ester, novolac vinyl ester and polyester, are three component heavy duty flooring materials which provide excellent resistance to abrasion, traffic, high impact, harsh chemicals and spillage of solvents. These durable floor topping systems are designed for hand and power trowel applications and their dense surfaces provide penetration resistance and easy cleaning.



Polymer Grout Systems

Wellcoat Grout series based on epoxy, novolac epoxy, vinyl ester, novolac vinyl ester, furan, polyester and silicate, provide high strength, & flowability, minimal shrinkage and a broad range of resistance to acidic and caustic chemicals, oils, salts and strong oxidizing solutions for leveling, repair, grading of concrete slabs and for grouting pumps, tanks and mechanical equipment.

The qualities of Wellcoat polymer grouts are beneficial to the long term success and reliability of dynamically loaded machines equipment and structures.



Mortar Systems

Wellcoat offers vinyl ester, novolac vinyl ester, epoxy, novolac epoxy, phenolic, furan and silicate based mortars for industrial and chemical processing plants subject to exposure to harsh chemicals, such as 98% sulphuric, 37% hydrochloric acid, nitric acid and hydrofluoric acid, and heavy loading, thermal and mechanical abuse. Wellcoat mortars are bed and joint fillers for granites, acid proof bricks and tiles for the following :

- Chemical Process Floors, Pits and Trenches
- Reaction & Storage Vessels
- Acid Pickling Lines
- Chimney linings
- Quench vessels
- Wet scrubbers
- Sulphuric acid plants
- Bleach towers
- Process vessels
- Hoppers
- De-nitration Towers



- Drying Towers
- Calciners
- Absorber
- Wash Towers
- Sulphur Pits
- Humidifying Towers
- Neutralisation Tanks
- Spent Acid Tanks
- Digestors
- Bulk Storage Bunkers
- Others



Sealant Systems

Wellcoat Sealants are two part epoxy, polysulfide, novolac epoxy polysulfide and urethane and are capable of withstanding exposure to a wide range of chemicals and organic solvents. Especially, the Wellcoat-Fluorolast Fluoropolymers which are able to resist 98% sulphuric acid and other extremely harsh chemicals.



Wellcoat sealant systems used to protect joints and tank skirting from attack by strong chemicals and solvents.



Wellcoat®

Overview Of Chemical Resistance Guide

Products	Chemicals																																				
	Acetic Acid 50%	Ammonium Hydroxide 30%	Bleach 18%	Calcium Hydroxide 100%	Calcium Carbonate	Citric Acid	Crude Oil 100%	Diesel Fuel 100%	Ethylene Dichloride 100%	Ferric Chloride	Formic Acid 100%	Gasoline 100%	Glacial	Gold Plating Solution	Heptane 100%	Hydrochloric Acid 20%	Hydrochloric Acid 37%	Hydrogen Peroxide 30%	Isopropanol Amine 100%	Jet Fuel 100%	Lactic Acid 100%	Magnesium Sulfate	Methylene Chloride 100%	Methyl Ethyl Ketone	Nitric Acid 20%	Nitric Acid 40%	Oleum	Phosphoric Acid 100%	Potassium Hydroxide 45%	Sulfuric Acid 80%	Sulfuric Acid 98%	Toluene 100%	Urea 50%	White Liquor	Xylene 100%	Zinc Sulfate	
FlakeGuard Series																																					
825	B	A	B	A	A	B	B	A	F	B	F	A	F	B	B	B	F	B	F	A	B	A	N	F	N	N	F	F	A	B	B	F	A	A	B	B	
850/855	A	A	A	A	A	A	A	N	A	-	A	N	A	A	A	A	A	A	A	A	A	A	N	-	A	N	N	A	A	A	N	A	A	A	A	A	A
865	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	-	B	A	A	-	A	A	A	-	A	A	A	A	A	A
930E	A	A	A	A	A	A	A	N	A	-	A	N	A	A	A	A	A	A	A	A	A	A	N	-	A	N	N	A	A	A	N	A	A	A	A	A	A
930N	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	-	B	A	A	-	A	A	A	-	A	A	A	A	A	A
PGL-162	A	A	N	A	A	A	A	A	-	A	A	A	-	A	A	A	-	-	A	A	A	A	N	-	A	A	-	A	A	A	N	B	A	A	A	A	A
LineGuard Series																																					
530/535	A	A	-	A	A	A	A	A	-	A	A	A	-	A	A	A	B	B	A	A	A	A	N	B	A	A	N	A	N	A	N	-	A	A	A	A	
540/545	A	A	A	A	A	A	A	N	A	A	A	B	A	A	A	B	B	A	A	A	A	N	B	A	A	N	A	A	A	A	B	B	A	A	A	A	
630/635	B	A	N	A	A	A	-	A	-	A	N	A	N	A	A	A	B	-	A	A	N	A	N	B	N	N	N	N	A	A	N	A	A	A	A	A	A
640/645	B	A	N	A	A	A	-	A	-	A	N	A	-	A	A	A	B	-	A	A	N	A	B	B	A	A	A	N	A	A	A	A	A	A	A	A	A
570	B	-	-	A	A	A	A	A	N	A	B	A	B	B	B	A	B	B	-	A	B	A	N	N	-	-	N	B	N	-	-	A	A	A	B	A	
580	B	B	A	A	A	A	A	N	A	B	A	B	B	B	A	B	B	-	A	B	A	N	N	-	-	N	B	B	B	-	-	A	A	B	A		
670	N	B	N	B	B	B	-	B	-	B	N	B	N	B	B	B	B	-	B	B	N	B	N	B	N	N	N	N	B	N	N	B	B	B	B	B	
680	B	A	B	A	A	B	B	A	-	B	B	A	-	B	B	B	B	B	B	A	B	A	N	-	N	N	A	B	B	B	B	A	B	B	B	B	
CreteGuard Series																																					
230	B	B	N	B	B	B	-	B	N	B	N	B	N	B	B	B	B	N	-	B	-	B	N	B	N	N	-	B	B	N	N	B	B	B	B	B	
240/245	B	B	A	B	B	B	A	B	N	B	N	B	N	B	B	B	B	B	B	B	B	B	N	B	B	B	F	B	B	B	B	B	B	B	B	B	
280/285	B	B	B	B	B	B	B	N	B	-	B	N	B	B	B	B	B	B	B	B	B	B	N	-	B	N	N	B	B	B	N	B	B	B	B	B	B
290	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	N	B	B	B	-	B	B	B	-	B	B	B	B	B	B	B
FloorGuard Series																																					
151 series	B	F	N	F	F	F	-	F	N	F	N	F	N	F	F	B	B	-	F	F	N	F	N	B	N	N	N	N	F	N	N	F	F	F	F	F	
152 series	B	F	N	F	F	F	-	F	N	F	N	F	N	F	F	B	B	-	F	F	N	F	B	B	F	F	F	N	F	B	B	F	F	F	F	F	
SP-570	B	-	-	B	B	B	B	N	B	B	B	B	B	B	B	B	B	-	B	B	B	N	N	-	-	N	B	N	N	N	B	B	B	B	B	B	
SP-680	B	B	B	B	B	B	B	N	B	B	B	-	B	B	B	B	B	B	B	B	B	N	N	B	B	B	B	B	B	B	B	B	B	B	B	B	B
FRPLine Series																																					
197	A	B	A	A	-	A	A	A	N	A	A	-	-	A	A	A	A	A	A	-	A	-	N	N	A	A	-	A	N	A	N	A	A	-	A	A	
411	A	A	A	A	A	A	A	N	A	-	A	-	A	A	A	A	A	A	A	A	A	A	N	B	A	A	N	A	A	A	N	A	A	A	A	A	A
470	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	-	B	A	A	-	A	A	A	-	A	A	A	A	A	A

Footnote:

A : Immersion service & constant flow

B : Suitable for splash or spillage service

F : Fumes only

N : Not recommended

- : Wellcoat can provide test coupons for customer to expose under actual service conditions

Please contact Wellcoat for more detailed chemical and temperature exposure information.