



EPOXY GLASSFLAKE COATING
PERMAX No.3000S



CHUGOKU MARINE PAINTS, LTD.

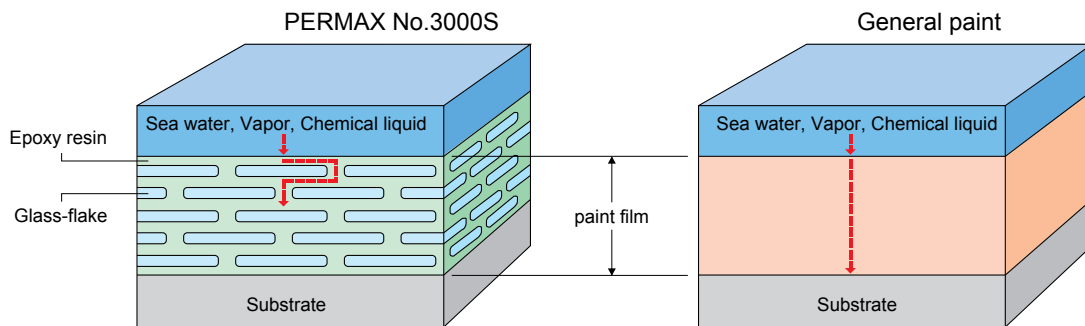
PERMAX No.3000S

PERMAX No.3000S, based on High Solid Epoxy resin with glass-flake, performs excellent anti-corrosive property for a long term without any maintenance. This character contributes to reduce the cost of total maintenance.

Features

Incredible anti-corrosive property for a long term

For glass-flake prevents substance something like seawater, water vapor or chemical liquid from directly penetrating to a steel surface, it takes much longer term compared to other paint without glass-flake.



Miracle adhesion property and anti-impact toughness

Glass-flake enabled Epoxy resin to conduct less heat, so that less degrees of volume shrinking can be seen. Those yields miracle adhesion and anti-impact.

Excellent anti-abrasion

Synergism by combining glass-flake and Epoxy resin shows excellent anti-adhesion.

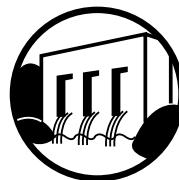
Usage



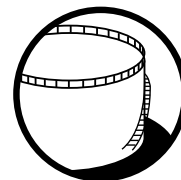
Off Shore Structure



Bridge Pillar



Dam



Storage Tank



System

System Area	Type	Product Name	Colour	Practical Coverage (g/sqm)	DFT (mic)	
System 1 Outdoor Exposed Concrete Surface (Above the splash zone)	Sealer	Epoxy Sealer for Concrete	CONTECT SEALER EP	Clear	100	-
	Putty	Epoxy Putty for Concrete	CONTECT FILLER EP	Grey	300	-
	Mid Coat	Modified Epoxy Resin Paint	CONTECT UNDERCOAT EP-UD	White	260	60
	Top Coat	Fluorine Resin Paint	CONTECT FINISH FL	L.Grey	140	30
	Total				800	90
System 2 Outdoor Exposed Concrete Surface (Splash zone)	Sealer	Epoxy Sealer for Concrete	EPICON C-100 PRIMER	White	430	100
	Mid Coat	Epoxy Glass Flake	PERMAX No.3000S	Grey	1230	500
	Mid Coat	Epoxy Glass Flake	PERMAX No.3000S	Grey	1230	500
	Top Coat	Epoxy Resin Paint	EPICON FINISH HB	L.Grey	480	100
	Total				3,370	1200
System 3 Under Water Concrete Surface	Sealer	Epoxy Sealer for Concrete	EPICON C-100 PRIMER	White	430	100
	Mid Coat	Epoxy Glass Flake	PERMAX No.3000S	Grey	1230	500
	Top Coat	Epoxy Glass Flake	PERMAX No.3000S	Grey	1230	500
	Total				2890	1100

Physical Strength

Test Items	Unit	PERMAX No.3000S	Test Methods
Tensile Strength	MPa	42.7	ASTM D 638
Elongation	%	3.4	ASTM D 638
Flexural Strength	MPa	78.5	ASTM D 790
Compressive Strength	MPa	176.6	ASTM D 695
Impact Resistance	500g×1/2inch×50cm	No defect	ISO 6272
Coefficient of Drying Contraction	%	0.1	JIS K 6911
Pencil Hardness	-	4H	ISO/ DIS 15184
Abrasion Resistance	mg loss	56	ISO 7784-2
Linear Coefficient of Thermal Expansion	1 / °C	2.8×10 ⁻⁵	ASTM D 696
Adhesion Strength	MPa	29.7	ISO4587
Moisture Vapour Transmission Rate	g/m ² · 24hr	0.08	JIS Z 0208

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HEADQUARTERS

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