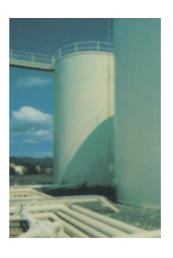
Product Guide











anti – corrosion technology

METHOD OF PRODUCT DESCRIPTION TYPICAL APPLICATIONS APPLICATION Polyester acrylic co-polymer Internals and externals immersed \$ P P **POLYGLASS** enhanced with glass flake. and non-immersed requiring long **Standard** term protection. Ideal for aqueous environments such as marine and medium duty chemical service. Polyester acrylic co-polymer For small areas of application enhanced with glass flake **POLYGLASS HA** where spraying is impractical and for hand application. for stripe coating spray grades of Polyglass. Air dried organic peroxide Used as a holding primer prior **PPA** to application of Polyglass VE or catalysed glass flake filled **Primer** other Corrocoat materials. acrylic/polyester primer. Also used as a primer/sealer for (moisture tolerant) concrete. 师学学 Vinyl ester/acrylic co-polymer Ideal for hydrocarbons, aggressive **POLYGLASS VE** enhanced with glass flake. chemical environments and demineralised water. A chemical resistant floor and concrete coating. May be used in identical Vinyl ester/acrylic co-polymer conditions to Polyglass VE, **POLYGLASS VEF** loaded with glass flake and offering superior corrosion, thixotroped with fibre. Spray application only. chemical and temperature resistance. A wax inhibited vinyl For use as a waxed surface veil to **POLYGLASS** ester/acrylic surface veil Polyglass materials where surface **VE Veilcoat** inhibition must be avoided. coating. Vinyl ester acrylic For small areas of application **POLYGLASS** co-polymer enhanced with where spraying is impractical and **VE HA** glass flake for hand for stripe coating spray grades of application. Polyglass. Used as a holding primer prior Air dried, organic peroxide Mary States **PPV** catalysed glass flake filled to application of Polyglass VE in **Primer** acrylic/vinyl ester co-polymer. certain environments. SI LESS Developed for marine, crude oil, An isophthalic polyester M > (1) **POLYGLASS** limited chemical and heavy duty acrylic co-ploymer atmospheric applications. enhanced with glass flake. Structural steel, superstructures A rapid cure polyester **POLYGLASS** and other non-immersed surfaces acrylic glass flake as well as aqueous and marine **ZIPCOAT** developed for single immersion at increased thicknesses. coat application A two part epoxy glass Excellent protection for aggressive ZIP-E flake coating designed for atmospheric conditions and single coat application moderate immersion environments, with good edge coverage and cosmetic appearance. Ideal for structural steel, pilings, decks, vessel externals and marine environments. Brominated interpenetrating Formulated to offer the best **CORROGLASS** resistance to base environments polymer network system, AR4 enhanced with glass flake. i.e. sodium hydroxide/sodium hypochlorite. An unpigmented resin used as a Low viscosity brominated **AR Veilcoat** interpenetrating network surface veil for protection of the glass where this may be attacked system. by the environment. Electrically conductive Developed for use in solutions **GRAPHITE S** acrylated ester system aggressive to glass, including loaded with flaked hydrofluoric acid. Used as a veil

coat for other Polyglass systems. Electrically conductive, suitable for electrostatic bonding.

immersed and non-immersed, requiring long term protection. Ideal for aqueous environments such as marine and medium duty

Internals and externals,

chemical service.

graphite.

ECOFLAKE

A styrene-free Bisphenol 'A'

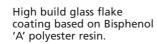
polyester acrylic glass flake.

PRODUCT CORROGLASS 202 CORROGLASS 232 CORROGLASS CORROGLASS

DESCRIPTION

METHOD OF APPLICATION

TYPICAL APPLICATIONS





Developed for applications where good corrosion, abrasion and chemical resistance is required. Ideal for small areas/components with either metal or masonry substrates in arduous conditions.



Medium viscosity Bisphenol 'A' polyester glass flake.

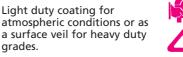
Used for coating intricate components by brush, requiring ease of application and contour following i.e. pump impellers.

Light duty coating for atmospheric conditions or as a surface veil for heavy duty



Low build Bisphenol 'A' polyester coating.







602

High build glass flake coating based on top grade vinyl ester resin with low monomer content.



Build coat for 600 series specifications. Outstanding performance with good resistance to solvent attack. Ideal for demineralised or distilled water applications, as well as on metal and masonry.



CORROGLASS 632

Medium viscosity glass flake coating based on top grade vinyl ester resin with low monomer content.



Used for coating intricate components by brush, requiring ease of application and contour following i.e. pump impellers. Offers high chemical resistance.



CORROGLASS 652

Low build vinyl ester resin glass flake coating.



Light duty immersion and arduous atmospheric conditions or as a surface veil for other grades.



HN4

Highly reactive polyester/polyurethane polymer alloy with glass flake loading.



Developed for use in applications where high temperature resistance is important. Not suitable for base aqueous environments.



CORROTHANE

A three pack cold cured vinyl ester/urethane polymer alloy with glass flake.



Developed for coating steel and concrete for immersed and nonimmersed applications where high temperature and chemical resistance are required.



BIOFOUL

Unsaturated ester hydrolysable resin containing metallic copper particles and pigmentation.



For use as a non-toxic, long life anti-foul over Polyglass corrosion barrier systems.



FLUIGLIDE

A specially modified unsaturated ester resin, stabilised to reduce cold flow characteristics.



Developed to reduce fluid friction, thus improving flow and efficiency. This coating must only be used as a surface veil over a corrosion barrier layer. WRc, DoE APPROVED.



FLUIGLIDE E

Cold cured 100% solids epoxide, modified to give a high surface finish reducing roughness amplitude.



For reduction of fluid friction in service conditions where light abrasion and/or solids are encountered.



KEY



SHORT HAIRED ROLLER



SPECIAL

TROWEL



KNIFE/SPATULA/ SCRAPER BLADE PIPE APPLICATION EQUIPMENT





PUMPS





PIPEWORK







LONG HAIRED

STRUCTURAL STEEL

ENGINEERING COMPONENTS

PRODUCT	DESCRIPTION	METHOD OF APPLICATION	TYPICAL APPLICATIONS
CORROCOAT *	Solvent free two or three pack epoxy glass flake.	7111	A high build flexibilised epoxy with good resistance to erosion and impact.
CORROCOAT * EB	Solvent free two or three pack medium build epoxy glass flake.		For coating intricate components. Eb has excellent erosion and good cavitation resistance when used in multiple coats at thicknesses above 1.5mm.
CORROCOAT * EC	Low build epoxy coating with high gloss finish.	77	Used as a surface veil coat for Ea or Eb coating work or as a light duty epoxy coating offering good flexibility.
НТЕ	Viscous solvent free two/three pack modified amine epoxy, compounded with stainless steel and glass platelets and heavily loaded with silicon carbide.		Provides excellent corrosion and abrasion resistance in both high temperature and chemical service. Offering excellent impact resistance, this material is normally used in films in excess of 1.5mm.
EP1	High solids two pack modified amine cured epoxy compounded with stainless steel, glass platelets and silicon carbide.	TIM	Similar to HTE but with easier application characteristics, offering good temperature and chemical resistance.
PLASMET ZF	An epoxy compound incorporating rust converter, inhibitor and passivator with leafing barrier protection.		A surface tolerant coating formulated to give good protection on rusted surfaces with minimal preparation. Suitable for atmospheric and some immersed conditions. Used as a corrosion inhibitive primer for other paint systems and as a high quality primer on blast cleaned steel substrates.
PLASMET ECP	Moisture curing two or three pack epoxy primer with excellent adhesion to damp surfaces.		Predominantly used as a primer for concrete but also ideal for use on surfaces which cannot be fully dried before application. May also be used as a primer for ZE on metallic substrates where there are high humidity conditions or a risk of micro condensation.
PLASMET ZX	Polyamine cured epoxy top coat with good gloss and chemical resistance.	F7 6	Top coat for overcoating ZF and ECP. This material offers good chemical resistance in immersed and atmospheric conditions.
PLASMET ZE	Polyamine cured high solids glass flake epoxy. Good gloss and chemical resistance.	5 > >	Durable coating offering excellent abrasion and good chemical resistance. May be used on its own or as a top coat for Plasmet ZF and Plasmet ECP.
CORROTHANE AP1	Two pack, isocyanate free acrylic polyurethane topcoat, available in a selected range of colours.		Used as a top coat for overcoating Plasmet ZF and other epoxy-based primers, where a high gloss decorative appearance and good UV resistance are important.

***** EXAMPLE

The asterisk denotes that these products are only available applied by licensed Corrocoat operators

Many of the materials featured in this guide are two-pack materials, cured by the addition of a hardener. In some instances a third component may be added. Where materials are single pack, this is noted in the text.

METHOD OF PRODUCT DESCRIPTION TYPICAL APPLICATIONS APPLICATION Solvent free three pack For applications where abrasion polyamine cured epoxy resistance is a prime **PLASMET WR** containing high levels of requirement. May be used in abrasion resistant filler. immersed and non-immersed environments. Particularly good results in dry abrasion. Chemically resistant solvent 117 Highly wear resistant, cures at **PLASMET R** free epoxy repair and low temperatures. Designed for rebuilding compound. rebuilding worn equipment and replacing corroded/abraded metal. Has moderate temperature resistance. A machinable coating Solvent free surfacing **PLASMET T** material. With good designed to achieve a smooth surface finish for seal landings chemical resistance. etc. Often used to overcoat Plasmet WR and Plasmet R. Polyamine cured general 711 Multi-purpose repair compound **GENMEND** purpose epoxy putty. which may be used with reinforcing tape for temporary leak repairs on tanks and pipes. Overcoating and protecting Synthetic polymer with **GALVCOAT** barrier pigments and special galvanised steel in most adhesion properties. atmospheric conditions. For wetting over Pre-accelerated Bisphenol LAMINATING * reinforcement materials such 'A' unsaturated ester low **RESIN 200** viscosity resin. as glass fibre. May also be used for GRP constructions. A highly chemical resistant, For wetting over reinforcement LAMINATING * materials such as glass fibre. high tensile strength, **RESIN 600** low viscosity vinyl/ester resin. For wetting over A low viscosity structural LAMINATING ' reinforcement materials such epoxy resin. **RESIN Epoxy** as glass fibre. May also be used for GRP constructions. Two or three pack fillers, Used in applications which range **RENDERPOL** available in epoxy and from general purpose non-shrink AND CORROFILL unsaturated ester grades. fillers through to badly pitted steel **RANGE** requiring high performance, chemically resistant coating systems. Four grades of low Used for casting sections, tanks, **POLYMER** shrinkage polymer concrete beams, etc and for screeding **CONCRETE AND** and screeds are available in existing concrete or steelwork. **SCREEDS** unsaturated ester and epoxy formats. A single pack chlor-rubber As a concrete paint and **PLASMET** coating containing flake sealer. May be used as a floor SB₁ pigmentation. coating for areas subject to vehicular traffic. A single pack water based As a concrete paint, sealer and **PLASMET** vinyl acrylic coating floor coating where low odour **WB1** containing flake and flammability during pigmentation. application are a requirement.

A single pack glass flake filled water based vinyl acrylic coating.

A solvent free polyamine cured epoxy offering resistance to sulphuric acid environments.

A two pack polyester co-**DI-SHIELD** polymer with a performance beld of fillers and leafing platelets.

PLASGUARD

PLASMET AR3

Excellent resistance to UV light.

A highly thixotropic concrete and masonry paint with excellent resistance to weathering and stability under strong UV light conditions.

Offers excellent resistance to high concentrations of sulphuric acids. Having good gloss, it is easily cleaned and washed down.

Specifically formulated to achieve resistance to cathode disbonding, as a dielectric shield for areas adjacent to anodes used in impressed current cathodic protection



CORROCOAT

Corrocoat anti-corrosion technology gives you a unique tool to combat the effects of harsh operating environments. The combination of high performance composites and mechanical engineering expertise gives you the upper hand in the fight against corrosion.

Our coatings are available to protect your critical plant and structures from corrosion attack and help your bottom line, through reduced repair, maintenance, replacement and downtime costs.

Corrocoat composites can be used to rebuild corroded and worn equipment to provide a repair that is strong and durable.

When prevention is better than cure, coating new equipment can provide longer life and better performance. Pumps, valves, pipes, storage tanks and process vessels all benefit from our expert treatment.

Corrocoat products and services provide peace of mind to the world's most demanding industries - from oil refineries and offshore rigs to water treatment works and nuclear power stations. It pays to make Corrocoat coatings your first line of defence in the fight against corrosion.

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of the Institute of Corrosion

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