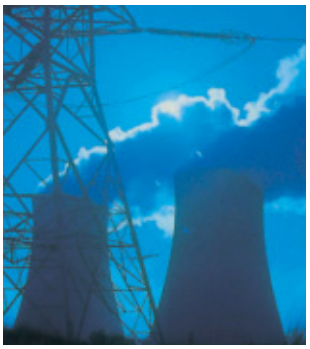
CORROCOAT

Product Guide



anti – corrosion technology

PRODUCT	DESCRIPTION	METHOD OF APPLICATION	TYPICAL APPLICATIONS
POLYGLASS Standard	Polyester acrylic co-polymer enhanced with glass flake.		Internals and externals immersed and non-immersed requiring long term protection. Ideal for aqueous environments such as marine and medium duty chemical service. 
POLYGLASS HA	Polyester acrylic co-polymer enhanced with glass flake for hand application.		For small areas of application where spraying is impractical and for stripe coating spray grades of Polyglass. 
PPA Primer	Air dried organic peroxide catalysed glass flake filled acrylic/polyester primer. (moisture tolerant)		Used as a holding primer prior to application of Polyglass VE or other Corrocoat materials. Also used as a primer/sealer for concrete. 
POLYGLASS VE	Vinyl ester/acrylic co-polymer enhanced with glass flake.		Ideal for hydrocarbons, aggressive chemical environments and demineralised water. A chemical resistant floor and concrete coating. 
POLYGLASS VEF	Vinyl ester/acrylic co-polymer loaded with glass flake and thixotroped with fibre. Spray application only.		May be used in identical conditions to Polyglass VE, offering superior corrosion, chemical and temperature resistance. 
POLYGLASS VE Veilcoat	A wax inhibited vinyl ester/acrylic surface veil coating.		For use as a waxed surface veil to Polyglass materials where surface inhibition must be avoided.
POLYGLASS VE HA	Vinyl ester acrylic co-polymer enhanced with glass flake for hand application.		For small areas of application where spraying is impractical and for stripe coating spray grades of Polyglass. 
PPV Primer	Air dried, organic peroxide catalysed glass flake filled acrylic/vinyl ester co-polymer.		Used as a holding primer prior to application of Polyglass VE in certain environments. 
POLYGLASS 100	An isophthalic polyester acrylic co-ploymer enhanced with glass flake.		Developed for marine, crude oil, limited chemical and heavy duty atmospheric applications. 
POLYGLASS ZIPCOAT	A rapid cure polyester acrylic glass flake developed for single coat application		Structural steel, superstructures and other non-immersed surfaces as well as aqueous and marine immersion at increased thicknesses. 
ZIP-E	A two part epoxy glass flake coating designed for single coat application		Excellent protection for aggressive atmospheric conditions and moderate immersion environments, with good edge coverage and cosmetic appearance. Ideal for structural steel, pilings, decks, vessel externals and marine environments. 
CORROGLASS AR4	Brominated interpenetrating polymer network system, enhanced with glass flake.		Formulated to offer the best resistance to base environments i.e. sodium hydroxide/sodium hypochlorite. 
AR Veilcoat	Low viscosity brominated interpenetrating network system.		An unpigmented resin used as a surface veil for protection of the glass where this may be attacked by the environment.
GRAPHITE S	Electrically conductive acrylated ester system loaded with flaked graphite.		Developed for use in solutions aggressive to glass, including hydrofluoric acid. Used as a veil coat for other Polyglass systems. Electrically conductive, suitable for electrostatic bonding. 
ECOFLAKE	A styrene-free Bisphenol 'A' polyester acrylic glass flake.		Internals and externals, immersed and non-immersed, requiring long term protection. Ideal for aqueous environments such as marine and medium duty chemical service. 

PRODUCT	DESCRIPTION	METHOD OF APPLICATION	TYPICAL APPLICATIONS
CORROGLASS 202 *	High build glass flake coating based on Bisphenol 'A' polyester resin.		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. 
CORROGLASS 232 *	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. 
CORROGLASS 252 *	Low build Bisphenol 'A' polyester coating.		Light duty coating for atmospheric conditions or as a surface veil for heavy duty grades. 
CORROGLASS 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 XT	A three pack cold cured vinyl ester/urethane polymer alloy with glass flake.		Developed for coating steel and concrete for immersed and non-immersed 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. 

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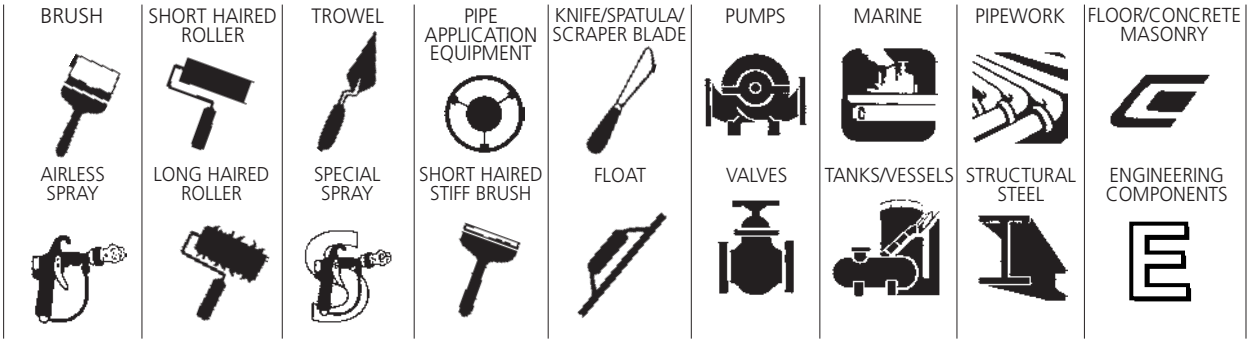

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CORROCOAT EA *	Solvent free two or three pack epoxy glass flake.		A high build flexibilised epoxy with good resistance to erosion and impact. 
CORROCOAT EB *	Solvent free two or three pack medium build epoxy glass flake.		For coating intricate components. 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.		Used as a surface veil coat for Ea or Eb coating work or as a light duty epoxy coating offering good flexibility. 
HTE	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.		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.		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.		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.

PRODUCT	DESCRIPTION	METHOD OF APPLICATION	TYPICAL APPLICATIONS
PLASMET WR	Solvent free three pack polyamine cured epoxy containing high levels of abrasion resistant filler.		For applications where abrasion resistance is a prime requirement. May be used in immersed and non-immersed environments. Particularly good results in dry abrasion. 
PLASMET R	Chemically resistant solvent free epoxy repair and rebuilding compound.		Highly wear resistant, cures at low temperatures. Designed for rebuilding worn equipment and replacing corroded/abraded metal. Has moderate temperature resistance. 
PLASMET T	Solvent free surfacing material. With good chemical resistance.		A machinable coating designed to achieve a smooth surface finish for seal landings etc. Often used to overcoat Plasmet WR and Plasmet R. 
GENMEND	Polyamine cured general purpose epoxy putty.		Multi-purpose repair compound which may be used with reinforcing tape for temporary leak repairs on tanks and pipes. 
GALVCOAT	Synthetic polymer with barrier pigments and special adhesion properties.		Overcoating and protecting galvanised steel in most atmospheric conditions. 
LAMINATING RESIN 200 *	Pre-accelerated Bisphenol 'A' unsaturated ester low viscosity resin.		For wetting over reinforcement materials such as glass fibre. May also be used for GRP constructions.
LAMINATING RESIN 600 *	A highly chemical resistant, high tensile strength, low viscosity vinyl/ester resin.		For wetting over reinforcement materials such as glass fibre.
LAMINATING RESIN Epoxy *	A low viscosity structural epoxy resin.		For wetting over reinforcement materials such as glass fibre. May also be used for GRP constructions.
RENDERPOL AND CORROFILL RANGE	Two or three pack fillers, available in epoxy and unsaturated ester grades.		Used in applications which range from general purpose non-shrink fillers through to badly pitted steel requiring high performance, chemically resistant coating systems.
POLYMER CONCRETE AND SCREEDS	Four grades of low shrinkage polymer concrete and screeds are available in unsaturated ester and epoxy formats.		Used for casting sections, tanks, beams, etc and for screeding existing concrete or steelwork. 
PLASMET SB1	A single pack chlor-rubber coating containing flake pigmentation.		As a concrete paint and sealer. May be used as a floor coating for areas subject to vehicular traffic. 
PLASMET WB1	A single pack water based vinyl acrylic coating containing flake pigmentation.		As a concrete paint, sealer and floor coating where low odour and flammability during application are a requirement. Excellent resistance to UV light. 
PLASGUARD	A single pack glass flake filled water based vinyl acrylic coating.		A highly thixotropic concrete and masonry paint with excellent resistance to weathering and stability under strong UV light conditions. 
PLASMET AR3	A solvent free polyamine cured epoxy offering resistance to sulphuric acid environments.		Offers excellent resistance to high concentrations of sulphuric acids. Having good gloss, it is easily cleaned and washed down. 
DI-SHIELD *	A two pack polyester co-polymer with a performance beld of fillers and leafing platelets.		Specifically formulated to achieve resistance to cathode disbonding, as a dielectric shield for areas adjacent to anodes used in impressed current cathodic protection

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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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A Sustaining Member of the Institute of Corrosion