

Plastacoat 33

ACID RESISTING PAINT

PLASTACOAT 33 general-purpose protective coatings possess a high resistance to many varied types of corrosion and contamination, and are suitable for immersion in a wide variety of acids, salts, alkalies, etc.

They are composed of two different solutions applied in multiple coats, depending on the surface to be protected. Each coat has specific properties, but only the combination of these in correct order, will ensure maximum efficiency.

(1) — PLASTACOAT 33 KEYING COAT has the essential property of adhering tenaciously to the surface and combining with subsequent coats. Keying coat should be used as a first or prime coat on all new smooth or bright metal surfaces to provide a base for the application of Finishing Coats.

(2) — PLASTACOAT 33 FINISHING COAT, applied in one or more coats as required, acts as an inert seal over previous coats, penetrating and binding them together. If applying by brush, previous coat should be thoroughly dry, and care should be taken to flow solution on to the surface and avoid dragging the previously applied coats. In all applications of PLASTACOAT 33, it is essential to obtain a complete seal over all surfaces being protected. The thickness or number of coats applied does not always determine the protection given. The obtaining of a complete seal is all-important.

COMPOSITION

Composed of inert synthetic materials and pigments dissolved in fast-drying solvents, PLASTACOAT 33 contains no lead, oils or varnish.

APPLICATION

PLASTACOAT 33 can be applied to concrete, metal or wood surfaces. Where smooth metal is to be protected, two coats should be applied, keying coat and finishing coat. For other surfaces the finishing coat only may be necessary.

PLASTACOAT 33 can be applied by brush or spray-gun. If applying by spray-gun it should be thinned down to a suitable spraying consistency. For adequate protection, surfaces must be thoroughly coated and it should be remembered that spraying applies a thinner coat than obtained by brushing, and therefore allowances should be made. For thinning use only special PLASTACOAT 33 SOLVENTS.

COVERAGE

Approximately 250 to 300 sq. ft. per gallon per coat, depending on the condition of the surface being coated. Rough castings, concrete or absorbent surfaces may require more material.

ADHESION

When correctly applied over a thoroughly clean and dry surface, free from any dirt, grit, grease, wax, rust or moisture, the coating has excellent adhesion.

PHYSICAL PROPERTIES

RESILIENT

Composed of thermo-plastic resins, PLASTACOAT 33 is not brittle. Moderate surface flexing or vibration will not fracture or crack the coating.

TOUGH

In its final state the coating is tough and a hammer-blow will mark but not crack the coating.

NON-INFLAMMABLE

Will char under intense heat but will not support combustion.

DI-ELECTRIC

Is a good insulator and will not conduct electric currents.

HEAT RESISTANCE

The coating may tend to soften when exposed to dry heat over 190°F. If immersed in hot liquids, working temperature should not exceed 160°F, unless previous tests have been conducted.

WEATHER RESISTANCE

PLASTACOAT 33 has good resistance to weathering.

ABRASION RESISTANCE

PLASTACOAT 33 will successfully resist moderate abrasion. Where severe abrasion may be encountered, prior tests should be made.

AIR-DRYING

Coating dries by evaporation of solvents. The coatings contain no polymerising oils, do not require stoving to attain their maximum resisting properties, and are ideally suitable for field application. Each application should be thoroughly dry before applying additional coats.

FINISH

The completed dry coating has a tough, smooth semi-gloss surface of pleasing appearance.

COLOURS

Standard colours: white, grey, stone, golden cream, mid-green, larch green, red and silver. Blending white and stone produces a number of shades of off-white and cream. A limited number of special colours can be manufactured to customers' requirements, minimum quantities of 8 gallons.

BRUSH CLEANING

Benzol may be used as a brush cleaning medium ONLY IF PLASTACOAT 33 THINNERS NOT AVAILABLE.

EASY TO CLEAN

Coated surfaces are not affected by conventional aqueous cleaning agents.

EASY TO REPAIR

If the coating becomes damaged through exceptional abuse, the damaged portion only can be removed and the surface re-coated.

SANITARY

PLASTACOAT 33 is resistant to bacteria and fungi and is suitable for use in food processing, milk factories, butter factories, etc. Its tough surface is easy to maintain in a clean sanitary condition.

CHEMICAL PROPERTIES

ODOURLESS, TASTELESS AND NON-TOXIC

When thoroughly dry and all solvent evaporated, the coating is odourless and tasteless, and contains no toxic substances, plasticisers or lead pigments.

ACID RESISTANT

When applied as directed, the coating will resist strong solutions of acids, such as hydrochloric, sulphuric, phosphoric and nitric acids at normal temperatures and at elevated temperatures not exceeding 160°F.

STANDARD COLOUR CHART



GOLDEN CREAM



STONE



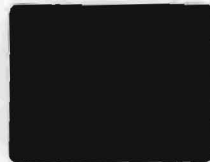
STANDARD GREY



LARCH GREEN



SILVER



BANDERILLO RED

ALKALI-RESISTANT

The coating will stand normal caustic cleaning, sterilising agents, and alkalies up to 160°F.

SALT RESISTANT

It is exceptionally resistant to a large number of salt solutions and is unaffected after long periods of immersion.

ALCOHOL AND SOLVENT RESISTANT

It is not affected by alcohols and aliphatic hydrocarbons, but softens or even dissolves in Ketones, Esters, aromatic or chlorinated hydrocarbons.

RESISTANCE TO OILS

The resistance to natural oils and mineral oils is only moderately good.

SILVER PLASTACOAT

Silver Plastacoat is an addition to the standard range of Plastacoat 33 protective coatings, and with a few exceptions embodies the same properties for corrosion resistance as the Plastacoat 33 series. It is primarily a one coat protective covering and does not need the prior application of an undercoat. For best results the same precautions should be observed in the preparations of the surface to be coated. Where considered necessary, two or more coats can be applied and application can be made by spraying, brushing or dipping. Where applied by spray gun, thinning may be necessary. For thinning use standard Plastacoat 33 thinners.

It has far greater heat resistance than Plastacoat 33 and although not generally recommended, it will withstand for a limited period of a few weeks, the heat from a small coal gas flame similar to conditions existing on an ordinary household gas stove.

It has excellent adhesion properties and is slightly slower drying than standard Plastacoat 33. It has no di-electric properties and its corrosion resistance to the action of acid laden atmosphere, chemical fumes, etc., is limited only by its aluminium base.

Silver Plastacoat obtains its greater resistance to corrosion and heat 24 hours after application and when all solvents have been completely evaporated.

Silver Plastacoat opens up new fields for outdoor protection against corrosion as well as many avenues for indoor usage.

Plastacoat 33

COMPLETE — POSITIVE — LONG LASTING PROTECTION

Manufactured by

WARATAH CHEMICALS PTY. LTD.

MOSMAN

SYDNEY

N. S. W.

AUSTRALIA

