

PRODUCT INFORMATION

COLORPLUS

Slip Resistant Colored Coating

Description:

ColorPlus is a single pack high builds surface coating incorporating a UV stable modified acrylic resin. The material has been specifically designed to provide a versatile colored demarcation system for use in lightly to moderately trafficked areas such as bike paths, school safe routes, pedestrian walkways, ramps, park and rides, central reservations, designated areas in retail parks and many other areas requiring color demarcation in combination with effective friction for vehicular and underfoot safety.

Uses:

Roads, car parks, cycle ways, walkways, driveways, central reservations, airports, docks, factories, parks, playgrounds, footbridges.

Benefits:

- Instant brightly colored surfaces
- High level of friction to reduce skid/slip
- High opacity
- Excellent adhesion to most surfaces
- Full range of vivid UV stable colors
- Easy to apply
- Fast drying
- Spray, roller, squeegee or brush application
- Resistant to petrol or diesel spillage
- Low cost
- Lead Free



Technical		
	Roller	Spray
Specific Gravity (kg/l) (t/m ³)	1.50	1.35
Flash Point °C (closed cup)	+5	+5
Spread Rate (sf/gal *)	35-40	50-70
Hardening at 68° F Tack Free (mins)	20	20
Open to Traffic (hrs)	2	2
Skid Resistance Value (SRV) min.	55	55

* Dependent upon texture and porosity of surface.

ColorPlus, will imparting its own good friction properties, has little detrimental effect on any existing SRV's when applied to textured surfaces at the recommended film thickness.

Colors

Color	BS 381C Ref.	RAL	PMS
Bold Red	564	3020	186
Venetian Red	445	3009	180
Orange	NA	NA	151
Lemon Yellow	355	1023	116
Yellow Green	NA	6018	361
Deep Chrome Green	267	6002	350
Emerald Green	NA	NA	NA
Strong Blue	107	5015	2945
Signal Blue	NA	5005	294
Sky Blue	NA	5012	299
Fawn	NA	NA	727
Dark Admiralty Grey	632		430
Graphite Black		9011	Black
Traffic White		9016	White

Color references are approximate. Please ask us for actual Color swatches before ordering. Special colors are available on request subject to a minimum order quantity and a formulation charge.

Surface Preparation

Surfaces must be clean and dry. The road surface temperature should be between 41°F and 77°F. Sweep or blow off all dust and debris from surface. If necessary for removal of moisture, traces of oil and other contamination, the careful use of a propane torch is recommended.

Traces of oil will affect drying time, adhesion and final appearance. Oil contamination should be washed using detergent before HCA lancing. De-icing salts will adversely affect adhesion and should be thoroughly washed away.

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Adheres to asphalt through solvent fusion. As a result, the application of ColorPlus can result in softening or bitumen bleed. If softening occurs, the asphalt should harden again over time dependent on road surface temperatures (higher is better). Apply ColorPlus in two thin coats (not overworking if applying by roller or squeegee) and allowing a long drying time between applications.

Concrete - ColorPlus adheres well to concrete where it can be shown that the surface is absorbent and free from laitance. Sealed and or power floated concrete should be shot blasted and then primed with Primer C prior to over coating.

Exposed Aggregates (concrete and asphalt) – Worn concrete or asphalt showing exposed aggregates should be treated with Primer C.

Block Pavers – Results of coating block pavers are variable. The use of Primer C is advisable. For all substrates, the applicator should first ensure that Colourplus is suitable by conducting a small trial.



Product Application

Colorplus is self-priming on all substrates normally encountered within the specified application areas. However, highly porous surfaces may require two coats to achieve desired film thickness. Unusual surfaces may require pre-treatment – please see above regarding exposed aggregates. Where Primer C is recommended, the application of ColorPlus should be made while Primer C is still tacky. The primer should not be allowed to harden as this impairs adhesion.

Do not apply to thermoplastic road markings or thermoplastic (hot applied) surfacing materials, as this may cause irrecoverable softening.

The high friction properties of ColorPlus are conferred by the inclusion of selected fine aggregate. Some settlement may occur upon storage. It is essential to ensure thorough mixing prior to use. This is best achieved by up-turning the container overnight and stirring within the drum thoroughly before use. Do not add thinners, solvents or other materials.



Roller Application - A 25mm pile roller or foam squeegee is recommended. Apply to the surface using even pressure and ensuring good distribution of the material at the recommended coverage. Small areas, such as dressing into edges and corners can be applied by brush.

Spray Application - A spray applicator such as a Titan Speeflo 6900 airless system can be used fitted with 0.035 – 0.041 thou spray tip at 2000 psi. Diaphragm type pumps should not be used. As with all sprayed materials, care should be taken to avoid overspray and the operator should wear protective clothing in accordance with the Safety Data Sheet. Where ColorPlus is to be overlain for the incorporation of symbols or a higher film build is required, ensure that it has fully dried. Thermoplastic markings can be applied over ColorPlus.

Clean tools and equipment with Bitex Cleaning Solvent immediately after use.

Aftercare

ColorPlus can be cleaned by using a detergent and clean water and a yard brush, rinsing with clean water afterwards.

Packaging & Storage

ColorPlus is supplied in 5 gal drums. Store under cover in dry, well ventilated conditions. To ensure optimum application properties, Colourplus should be stored at room temperature prior to use. Shelf life is normally 12 months.

Health & Safety

ColorPlus is a flammable petroleum mixture and should only be used in areas with good ventilation.

Keep away from sources of ignition.

No smoking.

Observe Petroleum regulations.

See separate Safety Data Sheet

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