



Technical Datasheet
Non-Yellowing Polyurethane Coating

PUMADUR DD Clear Matt

DESCRIPTION

Pumadur DD Clear Matt is a liquid applied, high solids, two-component, polyurethane coating. Pumadur DD Clear Matt has been designed to provide high a single-coat application combined with excellent resistance to UV light and external weathering. Pumadur DD Clear Matt is used as a final, weather-resistant coating to seal Resdev slip-resistant, profiled flooring systems.

COMPOSITION

Pigmented, twocomponent aliphatic polyurethane resin system carried in a limited quantity of organic solvent.

APPEARANCE

Coloured, smooth Matt finish.

DURABILITY

Excellent long-term resistances to natural weathering, abrasion from pedestrian or light wheeled traffic and contact with mild inorganic acids, alkalis or fuel oils.

THICKNESS

Dependent upon porosity and profile of underlying aggregate. Typical dry film builds are between 120 and 170 microns.

TYPICAL INSTALLATIONS

As a final seal coat over Pumathane Car Park Systems, Pumagrip slip resistant surfaces or other profiled resin floor systems.

SUBSTRATES

As per system specification for Pumathane C.P or Pumagrip.

SURFACE PREPARATION

Ensure previously applied sequence of coatings have cured to a hard finish. Remove excess aggregates by sweeping and vacuuming surface.

APPLICATION CONDITIONS

Ensure ambient and surface temperatures are between 5 and 30°C. Surfaces to be coated should be dry. Do not apply outside if rainfall is predicted within two hours of application.

MIXING

Premix the pigmented resin component to ensure any light settlement is fully reincorporated. Pour and drain thoroughly the contents of the hardener container into the bucket containing the pigmented resin component. Mix the two components with a slow-speed electric mixer or by palette knife for a minimum period of two minutes or until homogeneous. Special attention should be paid to scraping the side, base and corners of the mixing vessel during this process.

APPLICATION TECHNIQUE

Apply with medium or long nap lambswool roller only. The use of a paint tray is recommended for best results.

COVERAGE RATES

Typical values over a blinded aggregate surface would be in the region of 360g/m². However, porosity, profile and choice of aggregate will influence this value.

SPECIFICATION DETAIL

One coat of Pumadur DD Clear Matt at the spreading rate as described above. Prior specification depends upon the system specified, i.e Pumagrip or Pumathane C.P.

MAINTENANCE

Regular cleaning of Pumagrip or Pumathane C.P. systems is recommended to ensure the slip-resistant performances and cosmetic appearances are maintained. Mild detergent and water combined with a light scrubbing action should prove adequate for normal traffic dirt. In the instances of heavy industrial contamination, specific advice should be requested from the Resdev Customer Care Department.

CURE SCHEDULE

Pot life of full unit @ 20°C	-	1.5 – 2 hrs
Tack-free dry time @ 20°C	-	1.5 – 2 hrs
Hard dry time @ 160 micron @ 20°C	-	4 – 6 hrs
Resistant to foot traffic @ 20°C	-	16 – 24 hrs
Full cure @ 20°C	-	3 – 4 days

CHEMICAL RESISTANCE

Pumadur DD Clear Matt provides a good standard of resistance to dilute acids, alkalis, lubricating and fuel oils and some organic solvents. It should be noted, however, that Pumadur DD Coloured Matt is only a thin film coating and, once physical damage has broken through this film, the overall chemical resistance will depend upon the underlying system build-up.

TECHNICAL DATA

Taber abrasion loss – CS17/1000 cycles (1000g dry) - 5-7mg.

HEALTH AND SAFETY

Please read technical data sheet reference TD103 and specific health and safety data for this product provided in compliance with the requirements of EC Directive 91/155.

STORAGE, MIXING & APPLICATION

The storage, mixing and application conditions can affect the quality of the finish produced. Please read technical data sheet reference TD104.

TECHNICAL ADVICE

For further information on this or any other Resdev product, please contact our Customer Care Department on 01422 379131.