

## Peran PU (pigmented) Matt

### Product sheet

#### Product description

Peran PU (pigmented) Matt is a matt, pigmented, waterborne, two-component, aliphatic polyurethane lacquer. Gloss factor approx 10 at 60° and approx 25 at 85°.

#### Applications

Peran PU (pigmented) Matt is used as a topcoat where a matt UV resistant finish is desired.

**Note:** The surface can be stained by rubber tyres (yellow patches) if they are allowed to stand on the surface for an extended period of time, for example overnight. Peran PU (pigmented) Matt is therefore not suitable in car workshops, garages, car dealers, unless it is overcoated with Peran PU Anti-stain.

#### Environment & Health

Peran PU (pigmented) Matt is a polyurethane-based solvent-free product. Follow the appropriate Occupational Health and Safety guidelines applicable to the location where the application is undertaken. For more information, refer to the safety datasheets for the various constituent components.

#### Ratio of Components

7.35 parts of Base A are mixed with 1 part of Hardener B, by weight.

#### Application Temperature

The recommended substrate temperature is 15-25°C, but no less than 10°C. The temperature of the substrate should exceed the "dew point" by 3°C during application and hardening. The temperature must not fall below 10°C within 24 hours of application.

Contact with condensing moisture may result in a white surface.

The product requires a relative humidity of 30-75% in order to harden properly.

Do not wash or cover the surface during the first 7 days following application.

**Note:** Never overturn buckets directly on the floor for emptying. Curing problems can occur as a result.

#### Application

Agitate Base A thoroughly and then pour the material into a suitable mixing vessel. Add Hardener B. Mix thoroughly with a mixing paddle-fitted low-speed drill for approx 2 minutes, ensuring that no air gets drawn in.

**Note:** Allow the mixed material to stand for 10 minutes, and then mix for another minute prior to application. Peran PU (pigmented) Matt must be applied evenly in layers not exceeding 150 µm in order to obtain an even matt and bubble-free surface. Use a pain tray and good quality short-haired roller (avoid using rollers that shed a lot of fibre) and avoid rolling in material that has been applied 5 minutes previously.

Do not pour the product directly onto the substrate and avoid making pools.

Peran PU (pigmented) Matt can be applied in several layers on the condition that this is done in accordance with the timetable under the heading "Recoating time at 50% RH". If this time is exceeded, the surface must be ground before application of the next layer begins.

**Note:** If there are large windows or light sources, start there and work backwards to take advantage of the light to achieve an even application. For best final results apply 2 layers in different directions, for example, north to south, then east to west.

### Application Time

Ready-mixed product should be used within 120 minutes at a temperature of 20°C. At higher temperatures the application time is shorter.

**Note:** The product does not have any visible pot-life, so keep the usability time in mind.

### Consumption of Materials

0.14-0.18 kg/m<sup>2</sup>/application. 0.15 kg/m<sup>2</sup> is optimal.

### Curing time at 50% RH

	10°C	20°C	30°C
Light traffic after	14-18 hours	12-14 hours	8-12 hours
Heavy load after	4-6 days.	2-3 days.	2 days
Fully cured	14 days	7 days	4 days

### Recoating time

	10°C	20°C	30°C
	14-18 hours	12-14 hours	8-12 hours
	72 hours	48 hours	24 hours

### Colours

Silk Grey, RAL 7044 (similar to 217)  
Signal Grey, RAL 7004 (similar to 222)  
Dusty Grey, RAL 7037 (similar to 280)  
Graphite Grey, RAL 7024 (similar to 281)

### Solids Content %

Approx. 40 %.

### Brightness

Matt

### Density

Base A                      approx 1.15 kg/l  
Hardener B                approx 1.15 kg/l  
A+B                         approx 1.15 kg/l

### Storage

12 months in unopened pack.  
Storage temperature between 10°C and 20°C. Never store the product above 35°C  
Protect against moisture and frost.

### Packaging

The product is supplied A+B in the following packs:

### Unit

5.0 kg                      (4.3 litres)

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