

TECHNICAL DATA SHEET



PARAGON POLYURETHANE FLOOR PAINT

INTENDED USE

DECORATION OF BUILDINGS

A general purpose mid sheen floor paint based on a polyurethane alkyd. Typically used as a floor coating for domestic, industrial and warehouse storage areas, subject to mainly pedestrian use and occasional fork lift traffic. Areas subjected to heavy traffic, e.g. walkways and frequent fork lift use, will require regular maintenance to areas which have been damaged or worn away. Paragon Polyurethane Floor Paint is resistant to oil and grease spillages. It should not be used in areas where frequent water washing is required. Wet floors will always be slippery.

VOC Classification 2004/42 Cat A(i) 500 g/l VOC

As a concrete sealer the first coat is thinned 2 parts paint with 1 part Low Odour White Spirit which gives 500 g/l VOC.

As a finish apply unthinned which gives 370 g/l VOC.

SUITABLE SUBSTRATES AND PREPARATION

Normally applied to dry, sound concrete surfaces which must be free from dirt, dust and grease.

NEW CONCRETE

Apply only to dry, well prepared concrete after removal of loose cement laitance by scarifying or acid etching, then vacuuming. Apply the first coat as a sealer coat thinning 2 parts paint with 1 part white spirit, followed by one or two finishing coats leaving overnight to dry between coats.

PREVIOUSLY PAINTED FLOOR

Inspect the original coating for adhesion using a cross hatch test (cut an X in the coating with a sharp knife, apply strong adhesive tape over it and pull off sharply). If the paint is removed, blast or scarify the floor to remove the old coating. If the old paint remains intact then paint a test area to check the intercoat adhesion between old and new, leave for 48 hours to cure and repeat the cross hatch test. If there is any failure then the floor should be thoroughly abraded and the test repeated. If the test area wrinkles or lifts then the coating will have to be removed before painting

This product should not be applied to:

- new concrete when the moisture level is above 18%
- concrete floors containing a dust suppressant additive without first checking adhesion by applying a small test area and evaluating adhesion after 7 days
- concrete which has been power floated to a smooth shiny finish
- vinyl floors
- asphalt floors
- exterior environments

AVAILABILITY

Tile Red and Mid Grey in 5 Litre containers

**PRODUCT
INFORMATION
(TYPICAL FIGURES)**

Composition	Based on a urethane modified alkyd resin and specially selected pigments thinned with aliphatic hydrocarbons
Volume Solids	52% for Tile Red
Weight Solids	72% for Tile Red
VOC content	370 g/litre
Supply Viscosity	5 poise at 20 C
Typical film thickness	70 microns wet and 35 microns dry
Theoretical coverage	14 sq. Metres / litre at 35 microns dry film thickness
Dry heat resistance	80 C
Flash Point	In the range 32-55 C flammable

**APPLICATION
DETAILS**

PREFERABLY BRING PAINT TO 15-25°C AND STIR WELL BEFORE USE

Note	See suitable substrates and preparation. Stir container well prior to use. Cut in surfaces first typically with a brush prior to rolling out. Do not pour paint onto floor to roll out, use a proprietary roller tray to reduce or eliminate flooding and floating.
Airless spray:	
cold	Not recommended
heated	Not recommended
Conventional spray	Not recommended
Brush Roller	On new concrete thin the first coat 2 parts paint to 1 part white spirit. Then two finishing coats should be applied. Apply evenly using a well-loaded brush/roller. Allow to dry for 16 hours between the two finish coats.
Thinner	Low Odour White Spirit

Film thickness per coat

	<u>Dry</u>	<u>Wet</u>
Minimum	25 microns	50 microns
Maximum	40 microns	80 microns

DRYING AND RECOATING

Approximate drying times at 35 microns d.f.t.

<u>Substrate temperature</u>	<u>Touch Dry</u>	<u>Overcoating times</u>	
		Minimum	Maximum
10C	4 hrs, light traffic 24 hrs	24 hours	7 Days (see note)
20C	2 hrs, light traffic 16 hrs	16 hours	7 Days (see note)

Note

After 7 days air drying between coats, it is important to lightly flat the surface to remove sheen and improve adhesion.

Environmental conditions

Dry to take heavy traffic:

- at 10 C, 72 hrs

- at 20 C, 48 hrs

The air temperature should be at least 5 C with a surface temperature 3 C above dew point and the relative humidity below 90% thus ensuring that the surface is dry and that condensation will not occur during application or drying.

Overcoating / repainting

The drying times will be significantly extended in cold, damp conditions or where there is insufficient ventilation to remove solvent vapours, leave all possible doors and windows open and/or use a portable extraction system or air mover.

Further coats of Paragon Polyurethane Floor Paint may be applied after overnight dry

SHELF LIFE

Store in cool, dry conditions, typically 5-25°C. After a period of storage the product should be thoroughly stirred. Usable life is 2 years from date of manufacture in unopened containers.

SAFETY PRECAUTIONS

Refer to Paragon Polyurethane Floor Paint Safety Data Sheet

LIMITATIONS

The information given in this data sheet is based on experience and is accurate to the best of our knowledge. No guarantee should be implied however, since the conditions of use are beyond our control. This data sheet does not constitute a specification.

In case of doubt as to the suitability of the product please consult our Technical Department.