

PRODUCT DATA SHEET

2 PACK EPOXY FLOOR PAINT

INTENDED USE

DECORATION OF BUILDINGS - Factory Floor Finish

A high performance, very tough durable finish with excellent resistance to solvents, chemicals and mechanical damage. Dries to a semi-gloss finish and is suitable for floors where regular foot, vehicle and fork truck traffic is expected.

In dry areas prone to slip risk, you can further improve the slip resistance of 2 pack Epoxy Floor Coating by using Avenue Anti-Slip Additive. Wet Floors will always be slippery.

As a CONCRETE SEALER the first coat is thinned 2 Parts mixed paint with 1 part 2 Pack Epoxy Thinner which gives a VOC content of 600 g/litre VOC. VOC classification 2004/42 Cat A/(h): 750 g/l (2010)

As a FLOOR FINISH apply un-thinned when the VOC content is 484 g/litre mixed. VOC classification 2004/42 Cat A/(j): 500 g/l (2010).

NOTE 2 Pack Epoxy Floor Paint must be used at ambient temperature above 10C to achieve optimum drying/curing characteristics. For conditions below 10C use Avenue 600.

SUITABLE SUBSTRATES AND PREPARATION

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 catalysed paint with 1 part Two Pack Epoxy Thinners, 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 using Two Pack Epoxy Floor Paint.

AVAILABILITY

A semi-gloss finish supplied in 3 litres of Base 'A' in a 5-litre tin; and 2 litres of Hardener 'B' in a 2.5 litre tin. An extensive range of colours are available to order.

PRODUCT INFORMATION

Composition	Based on epoxy resin, pigmented with suitably selected pigments, the hardener contains a polyamide adduct.
Volume Solids	44% (for Grey when mixed)

Weight Solids	55% (for Grey when mixed)
VOC content	Base 445 g/litre Hardener 543 g/litre Mixed 3:2 484 g/litre (un-thinned)
Supply Viscosity	Base 4 poise at 20C
Typical film thickness	90 microns wet and 40 microns dry
Theoretical coverage	11 sq. metres/litre at 90 microns wet film thickness.
Dry heat resistance	140C
Flash Point	Within the range of 21-31C

**APPLICATION
DETAILS**

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

Mixing	Mix 3 parts of Base to 2 parts Hardener by volume and allow product to stand for a few minutes before application. Once mixed the product has a workable life of approximately 6 hours, dependent on temperature.
Airless spray:	cold Not recommended heated Not recommended
Conventional spray	Not recommended
Brush Roller	Ready for use when mixed. When applying by roller use a roller tray. Do not pour directly onto the concrete surface.
Thinner	2 Pack Epoxy Thinner
Film thickness per coat	

	<u>Dry</u>	<u>Wet</u>
Minimum	25 microns	55 microns
Maximum	40 microns	90 microns

**DRYING AND
RECOATING**

Approximate drying times at 40 microns d.f.t.

<u>Substrate temperature</u>	<u>Touch Dry</u>	<u>Overcoating times</u>	
		Minimum	Maximum
10C	4-6 hours	16 hours	3 days (see note)
20C	2-3 hours	8 hours	3 days (see note)

**Environmental
conditions**

The air temperature should be at least 10 C with a surface temperature 3 C above the dew point and the relative humidity below 90% thus ensuring that the surface is dry and that condensation will not occur. Curing will cease if the temperature falls below 10C and may not resume if the film is allowed to pick up moisture.

**Overcoating /
repainting**

If required a further coat of Avenue 2 Pack Epoxy Floor Paint may be applied. If left for more than 3 days between coats, it is important to abrade the surface to improve adhesion.

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

SHELF LIFE

Refer to Avenue Safety Data Sheet

SAFETY

PRECAUTIONS

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.

LIMITATIONS

A Painting Guide can be accessed via our website which provides additional information on paint and painting and definitions of terminology.

In case of doubt as to the suitability of the product please consult our Technical Department. If you are advised that the paint can be used in a manner not specified on this datasheet our Technical Department will confirm this to you in writing. Do not use paint prior to receiving this confirmation.

References to other primers, topcoats, cleaners and thinners are to the Avenue Product of that name only.

This data sheet supersedes all previous issues.

Amended: 31/01/2022

Reference: TPFV Version: 2.0

REFERENCES