



Epok Tread 5107 Finish



Isocyanate free durable sealer/finish

Product Data/ Application Instructions

- Rapid low temperature cure
- Isocyanate free
- Excellent durability
- Chemical resistant
- Quick and easy to apply
- Excellent colour retention

Typical Uses

Durable coloured sealer for Epok Tread 9015 Screed and Epok Tread 9020 Tiles

Repair

For repair or application of additional thickness, Epok Tread 5107 Finish may be overcoated with itself. Ensure surface is clean prior to application.

Environmental Conditions

(during application)

Surface temperature 1 to 30°C

Surface must be dry. To prevent moisture condensation during application, surface temperature must be at least 3°C above dew point. Note: at application temperatures below 10°C, additional thinner may be required to obtain uniform appearance and multiple coats maybe required to obtain recommended dry film thickness.

Physical Data

Finish	low sheen
Colour	Clear, Ral & BS
Components	2
Mixing ratio's (by volume)	
Epok Tread 5107 Finish resin	8.94 parts
Epok Tread 5107 Finish cure	1.06 parts
Epok Tread 5107 Finish resin clear	8.60 parts
Epok Tread 5107 Finish cure clear	1.40 parts
Curing mechanism	solvent evaporation and reaction between components
Volume solids.....	44% (ASTM D2697; 7 day)
VOC	550 g/l
Dry film thickness	75-125 µm per coat (3-5 mils)
Number of coats	1
Calculated coverage *	4.4 m ² /l at 100 µm 179 f ² /gal at 4 mils
*Due to the profile, a 3 l- pack is normally sufficient to seal 5m ² (53.8f ²) of Epok Tread Screed or Tiles.	
*Allow for application losses, surface irregularities, etc.	
Specific gravity	
Clear	1.02 kg/l (0.27 kg/gal)
Pigmented.....	1.27 kg/l (0.34 kg/gal)
Flash points Finish (Closed Cup)	°C °F
resin and resin clear	29 84
cure and cure clear	24 75
Amercoat 12	24 75
Thinner	Normally not recommended
Cleaner	Amercoat 12

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Application Equipment

The following equipment is listed as a guide and suitable equipment from other manufacturers may be used. Adjustments of pressure and change of tip size may be needed to obtain the proper spray characteristics.

AIRLESS SPRAY - Standard airless spray equipment, such as Graco, DeVilbiss, Nordson-Bede, Spee-Flo or others having a fluid tip with a 0.43 – 0.48mm (0.017 to 0.019 inch) orifice.

CONVENTIONAL SPRAY - Industrial equipment such as DeVilbiss MBC or JGA gun with 78 or 765 air cap and "E" fluid tip and heavy mastic spring or Binks No. 18 or 62 with a 66 x 63 PB nozzle setup. Separate air and fluid pressure regulators, mechanical pot agitator and a moisture and oil trap in the main air supply line are recommended.

MIXER - Use power mixer powered by an air motor or an explosion proof electric motor.

Application Data

Application Airless/conventional spray or roller**

Mixing ratio's (by volume)

Epok Tread 5107 Finish resin 8.94 parts
Epok Tread 5107 Finish cure 1.06 parts

Epok Tread 5107 Finish resin clear 8.60 parts
Epok Tread 5107 Finish cure clear 1.40 parts

Environmental conditions

Surface temperature 1-30°C (34-86°F)

Surface must be dry. To prevent moisture condensation during application, surface temperature must be at least 3°C(5°F) above dew point. Note: at application temperatures below 10°C (50°F), additional thinner may be required to obtain uniform appearance and multiple coats maybe required to obtain recommended dry film thickness.

Pot life (at 20°C/68°F) 4 hours

Drying times (°C/°F)	1/34	10/50	20/68	30/86
Touch dry (hours)	8	4	2	1
Hard dry (hours).....	16	8	4	2
Full cure (days).....	8	5	3	2

Recoat times (°C/°F)	1/34	10/50	20/68	30/86
Minimum (hours).....	8	4	2	1
Maximum	-	-	-	-

Pot life and drying times are dependent on temperature and quantities mixed.

Thinner Normally not recommended

Cleaner Amercoat 12

** Brush or roller application may require additional coats.



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Application Procedure

Epok Tread 5107 Finish is packaged in the proper mixing proportions of resin and cure that must be mixed together before use.

1. Flush equipment with recommended cleaner before use.
2. Stir both resin and cure to a uniform consistency with a power mixer.
3. Add cure to resin and continue stirring for 5 minutes. NOTE: since the potlife is limited and shortened by high temperatures, do not mix more material than will be used within the potlife (4 hours at 20°C/68°F).
4. Thinner is normally not required for workability.
5. Apply a wet coat in even, parallel passes. Overlap each pass 50% to avoid bare areas, pinholes or holidays.
6. Application at 225 µm (9 mils) wet film thickness will normally provide 100 µm (4 mils) dry film.
7. In confined areas ventilate with clean air during application and drying until all solvents are removed. Temperature and humidity of ventilating air must be such that moisture condensation will not form on surface.
8. Clean all equipment with recommended cleaner immediately after use or at least at the end of each working day or shift. When left in spray equipment, Epok Tread 5107 Finish will cure and cause clogging.

Shipping Data

Standard packaging of 3 liter unit's
Epok Tread 5107 Finish resin 2.682 l (0.71 gal) in 5 l can
Epok Tread 5107 Finish cure 0.318 l (0.084 gal) in 1 l can

Epok Tread 5107 Finish resin clear 2.58 l (0.68 gal) in 5 l can
Epok Tread 5107 Finish cure clear 0.42 l (0.11 gal) in 1 l can

Shipping weight of 3 liter unit's
Epok Tread 5107 Finish resin 4.10 kg
Epok Tread 5107 Finish cure 0.45 kg

Epok Tread 5107 Finish resin clear 3.20 kg
Epok Tread 5107 Finish cure clear 0.55 kg

Shelf life 1 year from shipment date when stored indoors in unopened, original containers at 5 to 40°C (41-104°F).



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Caution

This product is flammable. Keep away from heat and open flame. Keep container closed. Use with adequate ventilation. Avoid prolonged repeated contact with skin. If used in confined areas, observe the following precautions to prevent hazards of fire or explosion or damage to health:

1. circulate adequate fresh air continuously during application and drying;
2. use fresh air masks and explosion proof equipment;
3. prohibit all flames, sparks, welding and smoking.

Do not empty into drains. Take precautionary measures against static discharges. For specific information on hazardous ingredients, required ventilation, possible consequences of contact, exposure and safety measures see Material Safety Data Sheet.

Safety

Since improper use and handling can be hazardous to health and cause of fire or explosion, safety precautions included with application instructions must be observed during all storage, handling, use and drying periods.

To avoid any confusion that may arise through translation into other languages, the English version of the Product Data/Application Instructions will be the governing literature and must be referred to in case of deviations with product literature in other languages.

Warranty

Ameron warrants its products to be free from defects in material and workmanship. Ameron's sole obligations and Buyer's exclusive remedy in connection with the products shall be limited, at Ameron's option, to either replacement of products not conforming this warranty or credit to Buyer's account in the invoiced amount of the non-confirming products. Any claim under this warranty must be made by Buyer to Ameron in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life, or one year from the delivery date, whichever is earlier. Buyer's failure to notify Ameron of such non-conformance as required herein shall bar Buyer from recovery under this warranty.

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In no event shall Ameron be liable for consequential or incidental damages.

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