



Adhesive Products
Engineering in chemistry.



EP FLOOR 6320 ZERO EMISSIONS, HIGHLY RESISTANT

www.ap-adhesives.com



EP FLOOR 6320

EP Floor 6320 is a two component epoxy floor material. On the one hand, it is characterized through highest resistance against UV light, chemicals, temperature and mechanical stress, on the other hand, it is the only epoxy floor material without emissions (AgBB test criteria) and it is completely non-toxic. All ingredients react completely (no catalysts like benzylic alcohol or nonylphenol). Apart from that the floor features an excellent high-gloss optic that is available in all colours and also with special effects. It is ideal for most industrial production plants, but also for garages, basements and hobby rooms. Apart from that the material can be used as sealing layer for diverse applications.

The hardening mechanism was especially developed in order to achieve a long handling time, while having a short time to final curing. The very little carbamate formation (means that it is not very sensitive to humidity) also makes the application easier.

Application

- 1 Floor preparation**
The floor has to be fat-free and oil-free. The material adheres without problems to most surfaces (e.g. concrete, screed, ceramic, OSB plates, tiles). Other grounds especially when already coated have to be checked. Remove impurities of the floor by sweeping or vacuum-cleaning. Fill holes or cracks with a suitable casting material (we suggest to use EP Floor 6320 directly). Use a gas burner to flame the ground shortly (blue flame part).
- 2 Priming**
If you're applying the floor on concrete or similar ground materials, don't use the EP Floor 6320 itself. Use EP Primer 6320 instead. We suggest to use it in most cases. Apply the material thinly on the ground with a brush or paint roller and wait until it is hardened (approx. 12h at 23°C).
- 3 Prepare equipment**
Prepare the needed equipment as good as possible because you don't want to search for it during the handling time. We suggest an electric mixing device with variable speed, spike sole shoes, application blade, gloves, safety glasses and a gas burner. Use the gas burner quickly and flame the hardened primer to enhance the adhesion.
- 4 Application of the main layer**
Mix the two components for at least 5 minutes until the material is homogeneous. Spill the properly mixed material on the floor and use the application blade to distribute the epoxy material evenly. The material thickness and the consumption is strongly depending on the floor occurrences and the colour. Always spill the whole container after mixing in order to avoid fire hazard by exothermic reaction.
- 5 Removal of air bubbles**
A gas burner might be helpful for the removal of air bubbles that were created during the mixing process. Be careful to only flame the material shortly.
- 6 Cleaning of the equipment**
Clean the electric mixing device directly after use with alcohol or soap-water. Hardened material has to be removed mechanically.






Consumption

First layer (priming)	0,1 – 0,3 kg/m ²
Main layer (application by blade)	0,4 – 2,0 kg/m ² depending on stress and condition

Technical data

Chemical basis	Epoxy resin
Mixing ratio A:B	100:45 (by weight)
Viscosity A / B (23°C)	approx. 5.000 / 500 mPa*s
Handling temperature	10 – 30°C (max. 70% RH)
Storage stability	1 year
Handling time (23°C)	30 min
Accessible after (23°C)	12 h
Fully cured after (23°C)	3 days
Temperature stability (cured)	-40 – 130°C

AVAILABLE CONTAINERS	
20 kg (13,8 kg + 6,2 kg)	8 kg (5,5 kg + 2,5 kg)

STANDART COLOURS		
 Concrete grey (~RAL 7023)	 Light grey (~RAL 7035)	 All other colours as well as pigment and effect colours are available on request
 Pebble grey (~RAL 7032)	 Traffic grey A (~RAL 7042)	
*Colours shown are approximate. Final colour may vary a little bit due to raw material tolerances and application thickness.		



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Please notice:

The mentioned data and information are based on tests in our laboratory. Reliable statements about the behaviour of the product in practical use and the suitability for a specific use can not be taken. The suitability of the product for a provided use by consideration of all necessary conditions must be tested by the user itself.

The kind, the physical and chemical properties of the used materials and the influences during the transport, storage and usage of the product can effect deviations in the behaviour of the glue in comparison to the behaviour in our laboratory. The mentioned data are measured in our laboratory and they are typical average values or values which are measured only one time. The mentioned data and information represent consequently no guarantee / assurance of the parameters or the suitability of the product for a specific use.