

HAMMERFLOW®

TIME-PROVEN RESIN FLOORING

Uses

- Mechanically and chemically resistant and easy to clean surface finish for warehouses and industrial spaces
- Suitable for medical, laboratory, hygiene and food operations

Surface Preparation

The substrate must be clean, dry, and possess an open-pore structure, free from mechanical contaminants and loose aggregate particles (vacuum cleaning is recommended). The residual moisture content of the concrete must not exceed 4%, and the concrete must be cured for a minimum of 28 days. The surface must be free of oils, greases, or any other bond-inhibiting substances.

Mixing

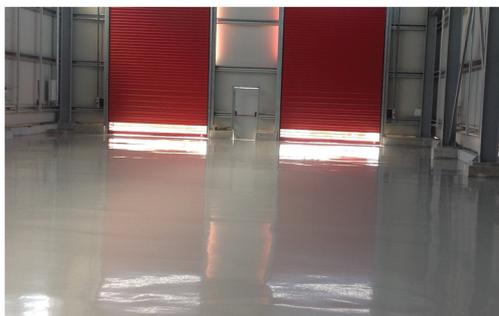
- Mixing ratio Resin A: Hardener B = 2:1;
- Please ensure to use proper PPE when mixing;
- The packages are pre-weighed to achieve optimum results during application;
- Do not change component ratios;
- Avoid introducing air or moisture during mixing;
- Slowly, mechanically mix (for around 3 mins) Hardener B into Base A to form a homogenous mixture;
- Immediately after mixing, apply the material using a roller (primer) or rubber squeegee (final coat);
- Allow to dry at 15 - 25°C;

Cleaning

Immediately after finishing the application, clean the tools by solvent.

Storage

In original packaging, dry, frost-free environment, 5 - 40°C, shelf life 1 year.



Hammerflow® is a two-component solvent free epoxy-based material with good resistance to light. It has been specifically developed by Flock Image to be a budget epoxy floor system with excellent chemical resistance & wearability.

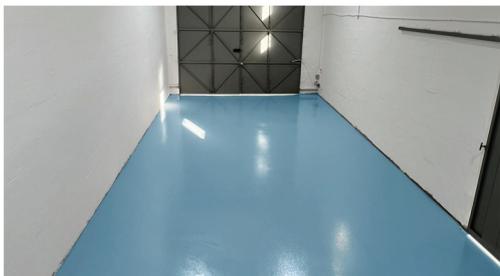
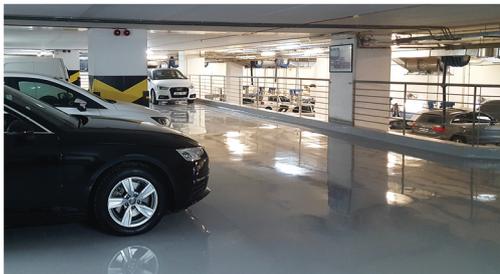
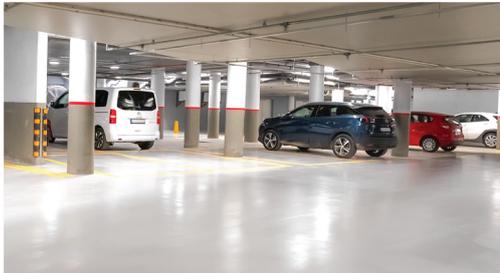


Advantages

- Easy application
- Good resistance to light
- Nonylphenol free
- Low odour during application
- Resistance to a myriad of chemicals and disinfectants (see chemicals resistance datasheet)
- Tailored Slip Resistance - can be finished as smooth (Mk1) or slightly textured (Mk3) for more slip resistance
- VOC content <500g/l (compliant with EU Regulation 2004/42 (category IIA/j))



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HAMMERFLOW

TIME - PROVEN RESIN FLOORING

Avoid contamination / pollution and water leaks.

Workability on 20°C	30 mins
Overcoat time on 20°C	15 – 24 hours
Walkable on 20°C	24 hours
Full hardening on 20°C	7 days

System Build up (average use, depending on concrete surface)

Hammerflow® Mk1 (smooth)	Hammerflow® Mk3 (slightly textured)
System Thickness 1mm+	System Thickness 2 - 3mm
Primer: approx. 0.15kg / m ²	Primer : approx. 0.15kg/m ²
Intermediate layer : 0.20kg /m ²	Intermediate layer : 0.20kg / m ²
Final layer (top coat) : approx. 0.30kg / m ²	Intermediate layer : 0.10kg / m ² (resin) Aggregate Scatter : 0.50kg / m ² Final layer (top coat) : 0.15kg / m ²

Technical Information:

The main component in the **Hammerflow®** system meets the requirements of Directive (EU) No. 305/2011 (CPR). Initial type testing was carried out in accordance with harmonised standard EN 13813:2002 – Screed material and floor screeds in participation of accredited testing laboratories.

- Declaration of Performance No. 2014/13
- Environmental Product Declaration, type III (EPD) in acc. CSN ISO 14025:2010, CSN EN 1504+A1:2014
- Determination of the volatile organic compounds (VOC) – SZU, s.p. Praha (ISO 16000, CEN/TS 16516)
- Mechanical properties as per EN 13813, TZUS Prague
- Slip resistance testing (DIN 51130, CSN 74 4507) R11
- VOC content <500g/l (meets the limit values of the European Decopaint Directive) 2004/42/ EC (category IIA/j).

Hammerflow® main component :

CE Mark	
Techfloor s.r.o. 17, listopadu 454, 252 63 Roztoky Factory: Techfloor s.r.o. Premyslovcu 49, 747 07 Opava-Jaktar	EN 13813 c. 2014/13 SR-B 2.0 - AR 0.5 - IR 4 EPOTEC S-UV Reaction to fire: Bfl-s1 Abrasion resistance: AR 0,5 Bond-strength: B 2.0 Impact resistance: IR 4
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Other information

If this material is to be used together with other materials, check for suitability by performing a test patch / refer to Flock Image Technical assistance.

Declaration

The data in this datasheet is a product description. It represents general guidelines based on Flock Image's experience over the years and results of laboratory tests at the time by the manufacturer of the resin, and is not reflective to the specific application. From this information, it is not possible to draw compensation claims. In unclear cases, therefore, we recommend you contact us for technical assistance.

