

Flowcrete Matrix

A high performance laminating epoxy designed for applications requiring high physical and mechanical performance.



Tank Lining:

Can be used as a coating for tanks.



Yacht & Boat Building:

Actively used in the construction or repair of yachts and boats.

Technical Profile

NO. OF COMPONENTS	2
MIX RATIO	Weight - 114:33 Volume - 3:1
SG EPOXY	1.14
MIX VISCOSITY	600cps
GEL TIME	200g @ 25° - 65min 1000g @ 25° - 45min
THIN FILM GEL TIME	3 hours (1mm)
CLEANER	Epoxy Thinners

PROPERTIES WITHOUT REINFORCEMENT

TENSILE STRENGTH	55mPa
TENSILE ELONGATION	4%
TENSILE MODULUS	3.3Gpa
FLEXURAL STRENGTH	92mPa
FLEXURAL MODULUS	3.7Gpa
HDT WITHOUT POST CURE	55°C
HDT WITH 12 HRS 50°C	80°C

PROPERTIES WITH POSTCURE 12 HRS @ 50°C

TENSILE STRENGTH	DIN53455 73mPa
TENSILE ELONGATION	DIN53455 4%
TENSILE MODULUS	DIN53457 3.7Gpa
FLEXURAL STRENGTH	DIN53452

**Cure times at temperatures between 0–30° C can be achieved by altering the quantity of catalyst used. For applications falling outside of this temperature range, please contact your local Flowcrete Technical Department.

Preparation

All surfaces to be clean and sound.

Application

1. Combine epoxy and activator in the correct ratios by weight or volume and mix thoroughly.
2. Transfer to a roller pan and apply directly into the glass fabric.
3. Avoid use below 8°C.
4. Optimum properties are obtained with post cure.

Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm², free from laitence, dust and other contamination. Substrate should be dry to 75% RH as per BS8204.

Installation Service

The installation should be carried out by an Approved Flowcrete Applicator. For details of our Approved Applicators, contact your regional Flowcrete office. Detailed application instructions are available upon request.

Aftercare, Cleaning & Maintenance

Clean regularly using a single or double headed rotary scrubber drier in conjunction with a mildly alkaline detergent.

Environmental Considerations

The finished system is assessed as non-hazardous to health and the environment. The long service life and seamless surface reduce the need for repairs and maintenance. Environmental and health considerations are controlled during manufacture and application of the products by Flowcrete staff and fully trained application teams.

Focus on the Floorzone

Flowcrete is a market leader in specialist industrial and commercial flooring. Systems available include: floor screeds, surface damp proof membranes, decorative flooring, seamless terrazzo, car park deck coatings, tank lining systems... to name just a few. Our objective is to satisfy your Floorzone needs.

Warranty

Flowcrete products are guaranteed against defective materials and manufacture and are sold subject to our standard 'Warranty, Terms and Conditions of Sale', copies of which can be obtained on request. Warranty does not cover suitability, fit for purpose or any consequential or related damages. Please review warranty in detail before installing the products.