

COMMERCIAL KITCHEN FLOORING



DESCRIPTION

Fusion Resins MMA Hygienic flooring system is a hardwearing, durable, flexible, seamless hygienic flooring system that can be used on floors creating a complete hygienic, seamless room.

Our Fusion MMA resin system comprising of Primer, Body Coat, Coloured Quartz and two coats of top coat, the system is 100% seamless with no use of sealants around drains, gullies, or skirting, the weakest part of a floor which allows bacteria to breed, smells and failure of the floor finish due to water ingress.

WHERE TO USE

- Hotel kitchens
- School canteens
- Hospital eateries
- Restaurants
- Cafes
- Food court kitchens
- Fast food restaurants
- Food preparation areas
- Airports
- Shopping malls
- Freezer rooms and chiller rooms

BENEFITS OF THE SYSTEM

- Fully dries and cures in 1 hour – no shut downs. Can also work at night whilst kitchens are shut.
- Stronger than concrete – hard wearing for a longer lasting floor – up to 20 years longer
- Flexible – up to 35%, fully flexible and waterproof, creating a complete hygienic floor finish
- Smooth or skid resistance – Different slip resistance R10-R13
- without bays 100% seamless, no sealants required
- Bonds to stainless steel. There are also no sealants around the drain, which breaks down in a short time
- No need for sealants – Sealants start to break down, causing water penetration, smells and bacterial breeding
- Colour in the quartz does not fade, even after 10 years as the colour is in the quartz and not the pigment
- Top coat exceeds temperatures at 100 degrees. It has also been fully tested by being submerged at 80 degrees.
- Application guaranteed – Product and application guaranteed.
- Takes risks away from the client

PHYSICAL DATA

Colour	Clear with bluish tint
Components	Resin plus MMA powder
Recommended Thickness	4 mm
System Layers	4
VOC's	NONE

CONTACT US

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APPLICATION DATA

Applied over Concrete, screed, ceramic tiles, metal, marble, wood, old resin, quarry tiles.

Method Brush, Roller, Squeegee

Pot Life 7-15 minutes

Min Re-coat 20-30 minutes

Max Re-coat NONE (even after 100 years)

Full Cure Time 60 minutes

TECHNICAL PROPERTIES

PROPERTY	STANDARD TEST METHOD	RESULT
Tensile Strength	DIN EN ISO 527	18 MPa
Compressive Strength	DIN EN ISO 604	48 MPa
Elongation at Break	DIN EN ISO 527	2.3 %
Elastic Modulus	DIN EN ISO 527	2120 MPa
Impact Strength	EN ISO 6272	8 Nm
Wear Resistance	PrEN 13892-4	<10 um
Slip Resistance	BGR 181 and DIN51130	R9/V--
Fire Rating	PrEN ISO 11925.2 Exposure=15s	Fs ≤150 mm within 20s
Tensile Bond Strength on Concrete	DIN ISO 4624 ZTV-SIB	3.4 MPa
Physical Inoffensiveness	EU Regulations 1935/2004	Test Report Number 26049 U 08 the coating system is physiologically safe, suitable for food processing companies.

BOND TESTING

A bond test should be conducted to determine the adequacy of the surface preparation and the bond to the substrate before proceeding with the application of the primer to the entire area.

The bond of the primer to the substrate should be greater than the tensile strength of the substrate itself; therefore there should be fractured aggregate along the entire patty. If only a fine laitance or small amount of concrete is attached additional mechanical preparation is required.

The exact procedure for performing the bond test can be requested via Fusion Resins Ltd.

STORAGE

Keep out of direct sunlight, preferably in a cool dark room.

HEALTH & SAFETY

- Always use appropriate PPE including gloves, goggles and a barrier cream to avoid contact with skin and eyes
- Should contact with skin or eyes occur, wash immediately with plenty of clean water
- Ensure adequate ventilation or suitable respiratory equipment face mask if working in confined spaces
- Do not expose products to fire or naked flame

Please refer to the MSDS sheets for further information.