

FLORGIENE-MD

POLYURETHANE BASED FLOOR COATING

PRODUCT DESCRIPTION

FLORGIENE-MD is a three components, chemical resistant antimicrobial polyurethane resin floor finish. Imparts a hard wearing, abrasion resistant and smooth matt coloured floor finish. **FLORGIENE-MD** has been developed with technology from Bayer Material Science AG., Germany.

RECOMMENDED FOR

FLORGIENE-MD is recommended for conditions requiring the maximum chemical resistance and where a smooth, even and easy to clean surface is required.

Specific applications include:

- Textile and film plants
- Food and beverage production
- Warehousing and storage
- Confectionery production
- Electronic component manufacture and assembly
- Pharmaceutical production
- Chemical plants

FEATURES AND BENEFITS:

Expert application	Installed only by trained and approved specialist contractors.
Fast Application/ rapid access	Can be applied to 6-day-old concrete/2-day-old polymer screeds. Short curing time with 8 hour access to foot traffic; 20 hours for vehicles.
Hygienic/safe	Non-tainting, non-dusting, monolithic (minimum joints); easy to maintain; microbiologically inert.
Durable/long life Prepacked	Wide chemical resistance; wear and impact resistant; Preweighted / prepacked for immediate use; batch-to-batch colour matched for consistency.

PROPERTIES :

The values shown are typical of results obtained in the laboratory at 20°C. Actual performance values obtained on site may vary from those quoted.

Physical Properties

Working Life	15 mins
Light traffic	24 hrs
Full traffic	48 hrs
Full chemical cure	7 days
Bond Strength	> 1.5 N/mm ²
Compressive strength	48 N/mm ²
Flexural strength	20 N/mm ²
Tensile strength	7 N/mm ²
Abrasion resistance	Classified 'Special Duty' Under BS 8204 Part 2 : 2002(9)
Slip resistance	Classified 'Satisfactory' Under BS 8204 Part 2: 2002(9), Wet and dry
Impact resistance	Classified 'High Impact Resistance' Under BS 8204 : Part 1 : 1999

METHOD OF APPLICATION

A. SURFACE PREPARATION

- 1 Remove laitance by manual means
- 2 Remove offsets or tops with putty blade
- 3 Roughen/Grind the surface using Vacuum Assisted Shot Blasting Machine

B. PRIMING

Use suitable primer depending on substrate condition to ensure maximum product performance.

C. LAYING OF FLORGIENE-MD

FLORGIENE-MD shall be mixed and applied only by specialist flooring contractors who have been trained in the correct application procedures. Detailed method of statement is available on request.

D. CURING

At 30°C, foot traffic access in 8 hours, vehicular traffic in 16 hours. At 20°C, foot traffic access in 12 hours, vehicular traffic in 24 hours. Full cure at 28 days.

COLOURS

FLORGIENE-MD is available in five standard colours: Green, Grey, Red, Cream and Yellow.

SUBSTRATE

Concrete or screed substrate should be a minimum of 25N/mm², free from laitance, dust and other contamination. The substrate should be dry to 75% RH as per B28204 and free from rising damp and ground water pressure.

HANDLING AND SAFETY

Keep the containers tightly sealed when not in use. Avoid skin contact and inhalation of fumes (if any). While spraying it is advised to wear a mask. If it comes in contact with the body, wash affected parts with plenty of water. In case of persistent irritation, contact a physician.