



TECHNICAL DATA SHEET

SATCOFLOR 098 HEAVY DUTY EPOXY FLOORING/WALLING COMPOUND

GENERAL

SATCOFLOR 098 Heavy Duty Epoxy Flooring/Walling system is a hard wearing, solvent- free resin based compound, providing a smooth, non-slip surface with outstanding chemical and abrasion resistance. When applied 5mm thick, it forms a joint less, hygienic, easy to clean floor, essential where chemicals or foodstuffs are handled.

APPLICATIONS:

- Gold mines / Reduction plants
- Uranium plants / SX, C.C.I.X., C.M.S., Leach discovery and belt filter buildings, Acid Storage and off-loading areas
- Copper & Nickel refineries / Tank farms, Tank houses, Purification / Leach / Cobalt plants
- Breweries : Yeast rooms, bottling plants and fermentation cellars
- Abattoirs - processing areas
- Industrial kitchens
- Chemical plants: Acetic acid, H.C.L and H²SO⁴ plants
- Industrial plants
- Mineral water plants
- Food processing plants
- Factories
- Garages and mechanical workshops
- Warehouse flooring
- Refrigerated storage facilities

PREPARATION:

It is essential that concrete surfaces be clean, free of dust, grease or laitance and dry. Laitance must be removed by wire brushing or mechanical scarifying.

APPLICATION:

Apply one coat SATCOTE 051 epoxy primer by brush or roller. Mix part A and part B of the three part SATCOFLOR 098 kit thoroughly for 5 minutes, add the filler and mix until all the particles are wetted. Apply to the required thickness (usually 5mm) using a trowel.

MECHANICAL PROPERTIES:

Tensile strength	27.5 Mpa @ 7 days 30.18 Mpa @ 41 days
Compressive strength	87.21 Mpa @ 7 days 99.28 Mpa @ 41 days
Co-efficient of linear expansion mm/mm	-20°C to + 20°C 27.7 x 10 ⁻⁶ /C 20°C to + 20°C 76.9 X 10 ⁻⁶ /C
Calculated modules of elasticity @ 41 days	44.84 Mpa
Shore Hardness	90 Shore D

CHEMICAL RESISTANCE:

Mass loss by total immersion for 21 days @ ambient temperature: (Laboratory Tested)

10% Sulphuric acid	0.3%
70% Sulphuric acid	0.4%
10% Hydrochloric acid	0.4%
20% Nitric acid	0.5%
Distilled water	0.4%
50% Sodium Hydroxide	0.4%
Toluene	0.6%
Trichlorethylene	0.5%
10% Acetic acid	0.4%
Sodium chloride (saturated solution)	0.4%

Colours on request