

KWA – ZULU NATAL

T: 031 701 2619

E: natal@mccc-sa.co.za

Unit 7, Marlmead, 4 Reed Place,
Maxmead, Pinetown, 3610



**MULTI CONSTRUCTION
CHEMICALS**

<http://www.mcc-sa.co.za>

MULTIPOXY 1936 Epoxy High Build Coating

Description

MULTIPOXY 1936 a high build, solvent free, epoxy coating with good chemical and wear resistant properties, It provides a protective and decorative coating for areas where a tough wear resistant surface is required. It is supplied in components, is easily mixed and applied, and provides a smooth hygienic finish, It may safely be used in areas where contact With foodstuffs is envisaged and it is solvent free. It may be applied In confined areas,

Typical Applications

- * As a coating on walls and floors in food manufacturing plants, breweries and bottling plants.
- * As a protective and decorative coating in laboratories, mills, garages and hospitals.
- * As a seamless coating for areas subjected to pedestrian and rubber wheeled traffic.

Advantages

- * Good Adhesion
- * Good chemical resistance
- * Abrasion resistant
- * Hygienic, non-dusting and decorative
- * Non-toxic when full cured
- * Solvent free
- * Economical

Typical Properties

Specific Gravity:	176
Mixing Ratio:	DO not split kits
Application Temp:	10-35°C
Pot Life:	1 hour at 25°C (max)
Initial Cure:	24 hrs
Full cure:	7 days
Coverage:	1-2 litres/m ² (unfilled); 3-4 litres / m ² (filled)
Temperature resistance:	100°C dry ; 60°C wet
Compressive strength:	>50MPa
Thinners:	MULTI THINNERS 1601

Chemical Resistance

In all cases consult our Technical Service Department for full details as specific chemical resistance temperature data is available on request

Direction for use

- * All surfaces to be clean, dry, sound and free from laitance and corrosive products.
- * May be mixed with a graded silica aggregate to provide a high build, more abrasion resistant floor screed.
- * It is most important to ensure that thorough surface preparation is undertaken prior to application of the MULTIPOXY 1936 system.

Concrete

Ensure concrete is free from excessive laitance, grease, oil, curing compound, etc. Ensure concrete is sound. cutting back where necessary and making good using MULTIPOXY 1927 Epoxy Putty or MULTIPOXY 1310 Epoxy Resin Mortar. Ensure all blow holes and surface imperfections are made good prior to application of the coating.

Wire brushing followed by degreasing, acid etching or grit blasting may be necessary to remove laitance.

Steel

All previous surface treatments should be removed, taking the surface back to base metal. The base metal should be abraded and preferably grit blast with sand, steel shot or proprietary abrasive, Where shot blasting is impractical pre-treatment may be carried out With pneumatic de-scaling guns, tap hammers, rotary wire brushes or by flame cleaning.

Cleaning With solvent, strong detergent or acid etching is advisable to ensure surface IS free from grease, etc. Do not allow surface to re-oxidize before application of MULTIPOXY 1936.

Mixing

Mix the activator to the base components and stir thoroughly for 34 minutes preferably using a slow speed hand drill fitted with a paddle. Mix until a uniform colour is achieved If used with aggregate, the requisite container of aggregate should be added and mixed preferably With a suitable mechanical mixer, Do not split kits

MULTIPOXY 1936 coating can be applied using airless spray equipment, lamb's wool rollers, short haired rollers or stiff bristled nylon brushes The aggregate filled material may be applied With a rake or trowel and de-aerated with a spiked roller.

Prior to the application Of each coat, the surface should be examined for sign of pin-holing, etc. Where pin-holing is evident, these should be filled using MULTIPOXY 1303 Skimming Compound.

The second coat is best applied while the previous coat is still tacky. If the application is delayed more than 12 hours after the first coat (the higher the ambient temperature, the shorter the maximum period), then the first coat must be thoroughly abraded to give an adequate mechanical key. The aggregate filled material should be applied in a single coat.

Overcoating

Where areas need to be over coated due to damage, etc. it is important that the areas to be treated are well abraded using a stiff Wire brush or coarse wet paper to give an adequate key. Strip off any unsound coating completely. Proceed with over coating as for new work.

The information supplied is believed to be reliable. As we do not have any control over the processing or application of the product we cannot guarantee the results to be obtained. Users assume all risks and liability resulting from the use of this product and must confirm the suitability thereof by conducting their own test. No guarantee is expressed or implied. Liability is limited to the replacement of faulty material.

FOR PROFESSIONAL USE ONLY

MULTI CONSTRUCTION CHEMICALS SOUTH AFRICA (PTY) LTD

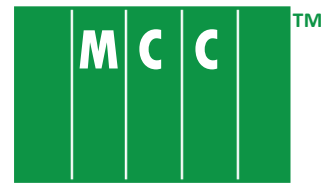
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Epoxy High Build Coating

Watchpoints

- Wear protective gloves and clothing. In case of eye contact, wash well with clean water and obtain medical assistance
- Ensure adequate ventilation and avoid naked flames
- The use of spray and breathing apparatus is recommended for application in confined spaces.
- Store kits in cool areas,
- Clean all equipment immediately after use With MULTI THINNERS 1601.

Packaging

Supplied in 5 litre and 10 litre kits. 10kg or 20kg bags of selected aggregate are supplied when sand filled.

Quality Assurance

MULTI CONSTRUCTION CHEMICALS (PTY) LTD's production and testing programmes comply with all local and

Updates:

This data sheet supersedes all previous issues prior to this date: 31/05/97.

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