

# Floorgard<sup>®</sup> Primer 903



## SOLVENT FREE PRIMER, EPOXY BINDER AND COATING SYSTEM

### DESCRIPTION

**Floorgard Primer 903** is a two part, low viscosity, epoxy resin system to which Fillers can be added to produce epoxy mortars having a variety of consistencies. **Floorgard Primer 903** also forms part of the range as priming & coating system.

### USES & ADVANTAGES

For combining with selected fillers and aggregates to produce epoxy mortars of various consistencies. Also used as supplied, or with selected filler additions to produce bolt or starter-bar grouts, and as a priming and coating system with some products.

#### Advantages include:-

- Early development of initial hardness, minimises maintenance disruption.
- Unaffected by a wide range of acids, alkalis and industrial chemicals.
- 3 to 4 times stronger than typical concrete.
- Excellent resistance to abrasion and impact.
- Versatile mixing ratios.

A variety of consistencies can be obtained when Fillers are used in conjunction with **Floorgard Primer 903**, contact Cormix for details on mix designs.

### PROPERTIES

The following results were obtained at a temperature of 20°C unless otherwise specified.

**Pot Life :** 40 minutes

The pot life quoted refers to the resin system without the addition of fillers. This value will increase as filler is added to the mixed product, with temperature decreases, or if the mixed product is poured in thin layers.

**Initial Hardness:** 3-5 hours

**Full Cure:** 7 days  
Below 20°C the curing time will be increased

**Min. application temp.:** 5°C

**Max. service temp.:** 60°C

**Specific Gravity (A+B mixed):** 1.08 kg/L.

#### Chemical Resistance:

<b>Citric Acid 10%</b>	Excellent
<b>Tartaric Acid 10%</b>	Excellent
<b>Acetic Acid 5%</b>	Satisfactory
<b>Nitric Acid 25%</b>	Good
<b>Hydrochloric Acid 25%</b>	Excellent
<b>Sulphuric Acid 50%</b>	Very Good
<b>Sodium Hydroxide 50%</b>	Excellent
<b>Diesel Fuel/Petrol</b>	Very Good
<b>Sugar Solutions</b>	Very Good
<b>Lactic Acid</b>	Very Good
<b>Hydrocarbons</b>	Very Good
<b>Phosphoric Acid 50%</b>	Very Good

### SUBSTRATE PREPARATION

All grease, oil, chemical contamination, dust, laitance, and loose concrete must be removed by scabbling or light bush hammering to provide a sound substrate.

Steel surfaces should be grit blasted to white metal. Surfaces which show any traces of oil must be degreased with a chemical degreaser prior to grit blasting.

### PRIMING

For maximum adhesion of heavily filled mortars, etc., the surfaces to be treated should be primed by applying a coat of unfilled **Floorgard Primer 903** before placing the mortar.

### MIXING

**Mixing Ratio:** A:B : 100 : 58 (by weight)

#### Typical mix design by volume.

##### Fluid grout

2 parts resin : 1 part hardener : 3 parts filler

##### Fluid paste

2 parts resin : 1 part hardener : 6 parts filler

##### Stiff paste

2 parts resin : 1 part hardener : 9 parts filler

### COVERAGERATE

**Floorgard Primer 903:** 5m<sup>2</sup>/litre (0.22 kg/m<sup>2</sup>)

Note: the coverage figures are theoretical - due to wastage factors and the variety and nature of possible substrates, practical coverage figures will be reduced.

### CLEANING

**Floorgard Primer 903** should be removed from tools, equipment and mixers with **Cormix Cleaner** immediately after use.

### PACKAGING

**Floorgard Primer 903:** 30kg.(27.8 L) packs

**Cormix Cleaner:** 4 and 20 litre cans

### STORAGE & SHELF LIFE

**Floorgard Primer 903** has a shelf life of 9-12 months at 20°C if kept in a dry store in the original, unopened packs. If stored at high temperatures, the shelf life may be reduced to 4-6 months.

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### HEALTH & SAFETY

**Cormix Cleaner** contains volatile organic solvents. **Floorgard Primer 903** contains epoxy resins and curatives. Some people are sensitive to resins, hardeners and solvents. Avoid contact with skin and eyes and avoid breathing vapour. Use only in well ventilated areas away from heat sparks or naked flames. Wear suitable protective clothing, gloves and eye protection when mixing or using.

If poisoning occurs, contact a doctor. If swallowed, do **NOT** induce vomiting - giving a glass of water. If in eyes, hold eyes open, flush with water for at least 15 minutes and see a doctor. If skin contact occurs, remove contaminated clothing and wash skin thoroughly with soap and water.

Material Safety Data Sheets (MSDS) are available on request from Cormix International. Read the MSDS and product data sheet carefully before using any product.

### TECHNICAL SERVICE

The Cormix International Technical Service Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

### QUALITY ASSURANCE

ISO 9001 : 2008 verified by TUV Nord.

### CONTACT DETAILS

#### **Cormix International Limited**

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