

Floorgard® 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, minimizes 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:

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

COVERAGE RATE

Floorgard Primer 903: 5m²/litre (0.22 kg/m²)

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: 30 kg. (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.

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.

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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 : 2015 verified by TUV Nord.

ISO 14001 : 2015 verified by Lloyd's Register International.

DISCLAIMER

Performance data is achieved testing in accordance with International Standards. Testing by others may result in different results from those published as a result of external factors such as poor sampling, incorrect mixing, varying temperatures, curing, crushing procedures etc.

Cormix does not take responsibility nor need to defend others testing that does not achieve the published data.

The user must test the products suitability for the intended application and purpose. Cormix reserves the right to change the properties of the product. Site conditions and differences in materials are such that no warranty or fitness for a particular purpose, nor liability can be inferred from the published data sheet, written recommendations or from other advice offered.

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