

**TWO COMPONENT CEMENT BASED AND MODIFIED DISPERSION****DESCRIPTION**

A two component, very special cementitious binder and polymer modified water dispersion for concrete surfaces., easy to apply. Contains special chemicals to enhance it's water proofing characteristics and adherence to the concrete surfaces .

The free flowing mixture can easily be applied in thin 2mm layers on concrete surfaces.

METOLASTIC has high bonding characteristics to different types of clean surfaces such as concrete , marble, ceramic etc.

**USES**

\*It forms a water impermeable layer therefore can be used in swimming pools, and thermal pools.

\*Can be applied above or under ceramic tile grouting material to reduce leakage of water

\*It can be used in cool storage areas,

\*As a protection against water infiltration in small concrete cracks

\*METOLASTIC has excellent adherence qualities therefore it can be used as a repair mortar for walls and floors.

\*Crack bridging

**ADVANTAGES**

- Easy to apply.
- Cost effective
- Very high bonding
- Suitable to be applied on damaged concrete floors , masonry and ceramic tiles.
- Can applied on floors and wall under ceramic tiles in swimming pools.
- Does not cause any health hazards
- It is water based material, the tools can easily be cleaned.
- Does not contain paraffin or solvents therefore it is not flammable.
- It resists salty water like (sea water)
- Can be used on exterior or interior concrete surfaces.
- The repaired areas will have an improved resistance to some mild chemical, diluted acids alkalis and water soluble salts.
- Improved frost resistance.

**COLOR OF FINISHED PRODUCT**

Gray color



## TWO COMPONENT CEMENT BASED AND MODIFIED DISPERSION

## PHYSICAL AND CHEMICAL PROPERTIES OF COMPONENTS

	Powder component	Liquid component
<b>Physical farm</b>	Powder	<b>Liquid</b>
Color	grey	Milky White
Density	1.35-1.4	1.1
Dry solid content	100	48
Odour	---	Faint aromatic
Flash point	Not applicable	Not applicable
Labelling for		
-Regulation for hazardous goods	Non hazardous	Non hazardous
-Regulation for hazardous substances	Irritant contains cement No	Labeling requirement for this product
Shelf life	Min 12 months in original undamaged package	Min 12 months in original undamaged package
packaging	20 kg craft bags	10 kg container

## TECHNICAL PROPERTIES OF MIXED PRODUCT

Color of mix	Gray
Mixing ratio	Comp. A : Comp. B 2:1
Consistency	Plastic applied by brush or trowel
Application temperature	From +8 °C to +35 °C
Pot life	45 min
Density of mix	1.65
Resistance to pressurized water	Positive 7 bar
Density after application	1.6g/cm <sup>3</sup>
Adhesion to clean concrete surface (N/mm <sup>2</sup> )	
-After 28 days at +23 °C	1.15
-After 7 days at +23 °C	0.65
Water proofing capacity EN 12390/8 Modified (1.5 bar for 7 days)	waterproof
Curing time	Approximately 1 day
-walkable after	Approximately 7 day
-Backfill excavation after	Approximately 7 day
-Ready for tiling	Approximately 1 day



**TWO COMPONENT CEMENT BASED AND MODIFIED DISPERSION****APPLICATION FIELDS**

- \*On any cement based surface where there is a water leakage problem especially in swimming pools .
- \*As a grouting material for ceramic tiles
- \*To repair concrete floor surfaces indoor or outdoor .
- \*Can also be used to repair concrete walls as well as floors.
- \*It can be used in residential buildings or
  - Factory floors
  - dairy floors
  - Warehouses,
  - Pavements,
  - Loading platforms,
  - Garages,
  - Airport runways
  - Bridges, etc.
- \*For filling or repairing cracks

**INSTRUCTION FOR USE**

- \*Clean the surface from any loose material., dirt, oil .
- \*The substrate must be sound free from any dust ,water repellents, paint oil or any bond inhibiting residues.
- The substrate must be free of honeycombs and gaping cracks which must be filled with appropriate repair material.
- \*Dampen the surface of the substrate before application.
- \*Try not to apply under direct sunlight or in very hot weather.
- \*Mix the content of the 20 kg craft bag of METOLASTIC FLEXY powder component with 10 kg of the liquid component (2 parts powder : 1part liquid) and mix well.
- \*It is always advisable to place the liquid in a mixing tin and then add the dry powder mixture to it and mix well.
- \*Apply with a trowel
- \*If application by brush ,or spray gun is required controlled small amount of water can be added to the 10 kg liquid component and then add the 20 kg powder to it and mix well.

**COVERAGE**

Coverage of 30 kg mix

- For 2mm thickness --- approximately 7.5-8 m2
- For 2.5 mm thickness --- approximately 6.0-6.50 m2

**CLEANING**

- All tools should be washed with water after use.

**TRANSPORTATION INFORMATION**

Not dangerous for transport under international transport regulations.

**FIRST AID MEASURES**

- \*Avoid contact with eyes or skin if comes into contact with eyes or skin wash thoroughly with water and seek medical attention.
- \*Do not swallow, if swallowed seek medical attention immediately.
- \*Store in a dry , non humid area,
- \*No more than three tins should be stacked on top of each other,



**TWO COMPONENT CEMENT BASED AND MODIFIED DISPERSION****LIMITED WARRANTY**

All recommendations, statements, technical data and information contained herein are information received from our raw material suppliers and other sources and is believed to be correct. However we make no warranty , expressed or implied regarding the accuracy of this data or the results to be obtained from the used thereof. This product is warranted to be of merchantable quality when used according to the instruction herein. It is not warranted to be suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is limited to the replacement of the product as purchased, if found to be defective upon inspection by the manufacturer. we assume no responsibility to injury from the use of this product described herein.

