

# UREPRIME 21

## POLYURETHANE PRIMER & SEALER

**UREPRIME 21** is a one component polyurethane sealer designed for use as a primer to the concrete floor / polymer modified screeds prior to application of Polyurethane Mortars such as UREMORT 5000.

It is also suitable for use as sealer coat over UREMORT 5000. **UREPRIME 21** maintains excellent flexibility providing the durability over the life of the floor.

### PRIMARY APPLICATION:

- Food industries
- Breweries
- Chemical plants
- Laboratories
- Warehouses
- Auto/truck bays

### FEATURES / BENEFITS:

- One component, no mixing required.
- Easy to apply with standard equipment.
- Excellent flexibility in service.
- Excellent resistance to water, organic chemicals, solvents and alkalis.
- Excellent resistance to abrasion. Can withstand wear and tear.
- Can be used for dust-proofing concrete floors.

### PACKING & COVERAGE:

1-gallon kit may theoretically cover 10 m<sup>2</sup>/liter @ 100 microns thickness.

### Colors:

Available in Clear color and special colors are available up on request.

### TECHNICAL INFORMATION:

Resistance to chemicals and solvents

Testing Period 12 months

	Change in surface	Type of change
Dist. Water	OK	-
Tap Water	OK	-
Sea Water	OK	-
Sulphuric Acid 10%	OK	-
Hydrochloric Acid 10%	OK	-
Nitric Acid 10%	OK	-
Acetic Acid 10%	10 days	Bubbles
Formic Acid 10%	8 days	Bubbles
Lactic Acid 25%	OK	-
Citric Acid 10%	OK	-
Tannic Acid	OK	-
Linseed oil fatty acid	OK	-
Soda Solution 20%	OK	-
NaCl Solution 10%	OK	-
Sugar solution 30%	OK	-
Caustic Potash Solution 10%	OK	-
Ammonia 10%	20 days	Bubbles

### DIRECTION FOR USE:

**UREPRIME 21** can be applied on concrete or polymer modified screeds. New concrete must be a minimum of 7 days old and polymer modified screeds 3 days old. All substrates must be clean and free from dust and loose particles.

**Surface Preparation:** All contaminants such as oil, curing compounds, paints, laitance unsound concrete etc must be removed. Surface must be prepared by vacuum shot blasting. Acid etching is not recommended.

**Mixing / Application:** **UREPRIME 21** is a single component system requiring no pre-blending. The material can be applied as a primer using a brush or roller. The material can also be applied as a sealer on polyurethane mortars such as UREMORTAR 5000.

### CLEAN UP:

Clean tools and equipment with solvents such as , Xylene, MEK etc. Do not allow the coating to harden on equipment.

### SHELF-LIFE:

6-months when stored in original, unopened pails under proper storage conditions.

### PRECAUTIONS/LIMITATIONS:

- Wear gloves, safety goggles and safety shoes while mixing and applying **UREPRIME 21**.
- Avoid contact with eyes, skin. If ingested or contact with eyes has occurred seek immediate medical attention.
- MSDS available on request.

Resistance to chemicals and solvents  
Testing Period 12 months

	Change in surface	Type of change
Sodium Hypochlorite solution, 3% free chlorine	OK	--
Hydrogen Peroxide, 10%	OK	--
Super grade petrol	OK	--
Cresol	5 days	Destroyed
Xylene	OK	--
Methylene chloride	1 day	Destroyed
Etyly glycol acetate	OK	--
Acetone	10 days	Becomes soft
Alcohol, 10%	OK	-

TD/PDS/0310/B

**QUALITY STATEMENT**

CMCI manufacture its products at their manufacturing facility in Saudi Arabia as per the Quality Procedures certified to conform with Quality Management System described in ISO 9000 series

CMCI provides a comprehensive technical support system for its full range of high performance construction products. CMCI also offers full technical field support to consultants, Architects, Contractors, applicators and End Users

The Technical Specification information and recommendation given are based on the current technical knowledge and the user or his representative is recommended to check the suitability of the product. CMCI reserves the right to amend the technical characteristic of the product as part of ongoing research and development. As the work execution is beyond the direct and continuous control of CMCI no guaranty and or responsibility is assumed on the performance of work completion executed with use of our products.