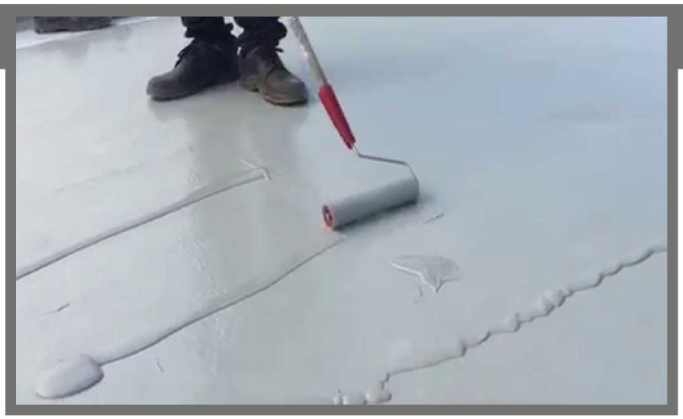
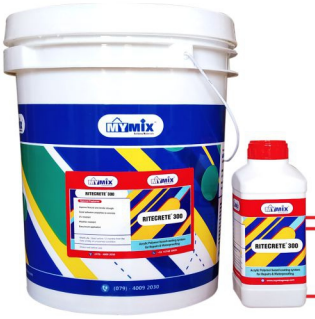
MYMIX® Building Materials

TECHNICAL DATA SHEET





RITECRETE® 300

(Acrylic based Multipurpose Latex)

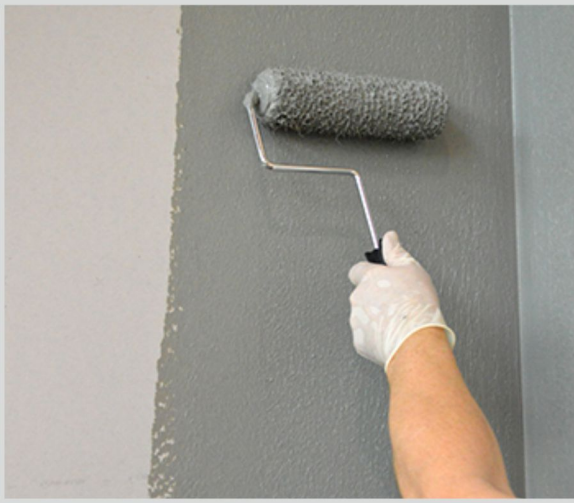
(Ref. SIPL / TDS / RITECRETE300 / 0622 / R-01)

Product Description

MYMIX - RITECRETE® 300 is a acrylic base multipurpose latex. It is acrylic based polymer modified cementitious, tough, flexible and hard wearing coating system with water resistance property. It is a white liquid acrylic polymer for coating, bonding agent and repair. It is economical system, non-corrosive to mild chemicals attack

Special Features

- Enhances the properties of cement slurry / mortar / concrete
- Develops excellent bond to most building materials
- UV resistance coating & Non corrosive to mild chemicals attack
- High durability in continuous wet condition
- Protective coating for cement surfaces and reduces salt water penetration
- Provides a tough, flexible and hard wearing surface with waterproofing property



SANGHAVI INDUSTRIES PVT. LTD.
(ISO 9001:2015 CERTIFIED COMPANY)

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MEMBER

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Application

- Suitable as a mortar modifier
- As a bonding agent for screed and plaster applications
- As a bonding agent on Gypsum, Cement and Calcium Silicate Boards
- As a repair mortar for repairing of old and new concrete structures
- For surface treatment and protection
- Suitable as a top coating
- For protective layer of cementitious surface
- Suitable for concrete structures like terraces, toilets, concrete repair, sunken portions, balcony, basement etc.

Advantages

- Good bonding property to most building materials
- Compatible with all cement mortar systems
- Water Resistance
- Improve the water absorption / permeability resistance
- Increased Mortar strength
- Economical system
- Ultra - violate resistance
- Easy application by Brush

Suitable Substrates

- Internal surfaces
- External surfaces
- Old concrete surfaces
- All cementitious, concrete surfaces

Coverage

- As bonding agent approx. 23 - 25 sq. ft. per litre for single coat (Refer mixing recommendation chart)
- As a top coat / scratch coat approx. 25 sq. ft. per litre for single coat (Refer mixing recommendation chart)
- Above results are as per standard laboratory conditions
- Coverage may vary depending upon the site condition and substrate absorption

Packing

- Available in **1 Litre, 5 Litre and 20 Litre**
- Bigger packing sizes are available on request

Shelf Life

- Factory sealed packs are best before 12 months from the date of manufacturing in unopened condition and stored in cool & dry area

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How to Apply

Surface Preparation

- The surface should be clean and free from dirt, oil or grease before application
- Ensure that the substrate is flat, stable, well adhered, and has a normal absorption.
- Dampen the wall or floor before application. Remove excess water before application
- The proper preparation of the surface will make the application easier and quicker ensuring a better result
- New concrete is recommended to be 1 month old and completely dried before application

Mixing Recommendation Chart

Testing Parameters	RITECRETE® 300	Water	Cement	Sand
Bonding Agent	1 litre	-	2 Kg	-
Top Coat	1 litre	-	2 Kg	2 kg
Repair Mortar	1 litre	2 litre	5 Kg	15 kg

Mixing

- **RITECRETE® 300** acrylic polymer mixed with cement, Sand and Water as per above chart
- The mix has to be stirred thoroughly until homogeneous smooth lump free slurry is obtained and wait for 5 to 10 minutes

Application as a Bonding Agent

- Refer mixing recommendation chart for above application
- **RITECRETE® 300** to be mixed with cement in ratio of 1:2
- Mix thoroughly preferably with mechanical stirrer / mixing machine for homogeneous mixing
- Apply the mixer at required place using appropriate tools for better finishing

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Application for Top Coat

- Refer mixing recommendation chart for above application.
- **RITECRETE® 300** to be mixed with cement and sand in ratio of 1: 2 : 2
- Mix thoroughly preferably with mechanical stirrer / mixing machine for homogeneous mixing
- Apply the mixer at required place using appropriate tools or Brush

Application as a Repair Mortar

- Refer mixing recommendation chart for above application
- **RITECRETE® 300** to be diluted with water in ratio of 1:3, and add mixture of cement and sand as per mentioned ratio
- Mix thoroughly preferably with mechanical stirrer / mixing machine for homogeneous mixing
- Apply the mixer at required place using appropriate tools for better finishing

Curing

- After application of **RITECRETE® 300**, initial air drying shall be done for 2-5 hours and no water is to be used during this period. After maximum period of 6 hours after the final application, moist curing shall be done for the next 24 hours by spraying / sprinkling of water on **RITECRETE® 300** coating. During this period, **RITECRETE® 300** coating should not be left completely dry or submerged in water. Coating shall be allowed to air dry for 2 days before submersion in water

Notes on Application / Limitations

- The mix has to be applied by Brush or appropriate tool on prepared surface
- Two or more coats are recommended. Gap between two coats is 4 to 6 hrs.
- Before application surface should be in good condition
- Always add powder in to latex and never add latex to powder
- Do not add excess latex than recommended
- Should not be used without addition of cement
- Ensure to provide protective plaster / screed over the final coat to avoid mechanical damage

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Technical Data

General Properties

Testing Parameters	Result
Colour	Milky White Viscous Liquid
Pot Life (Temp. at 25 - 27^0 C)	1 hour
pH	7.0 - 8.0
Specific Gravity	1.01 / $\pm$ 0.02 gm / ml
Solid Content	30 $\pm$ 2 %
Chemical resistance	Resist to mild acids, alkalines, chlorine and sulphates

Physical Properties

Testing Parameters	Result	Test Method
Compressive Strength (28 days)	> 50 Mpa	ASTM C 109
Flexural Strength (28 days)	6 - 7.5 Mpa	EN 196 Part-1
Bond Coat Adhesion Strength (7 days)	> 2.0 Mpa	EN 1542 / EN 1348
Brush Top Coating (7th Day) at 1.5mm DFT	1.8 - 2.2 Mpa	EN 1542 / EN 1348

@ 23 - 27^0 C and relative humidity 45-55% (Ref. EN 1062-3)

Precautions

- Keep out of reach of children
- Wear suitable protective cloths, respirator and gloves
- In case of contact with skin/eyes, wash immediately with plenty of water & seek medical help

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