



ISO 9001:2008 Certified Company  
**"TIME TESTED PRODUCTS"**  
 SINCE 1972

# Zahabiya REPECOAT RP-17/9

Silicon based Water Repellent

Zahabiya REPECOAT RP-17/9 is a silicon based high quality multi-use **water repellent coating** to impart hydrophobicity to a wide range of porous surfaces without clogging the pores. With a unique balance of silanes and siloxanes chemistry, Zahabiya REPECOAT RP-17/9 provides excellent water repellence without forming surface layer; the coat remains invisible causing no change in the aesthetic attributes of the surface and the coat retains a very high degree of vapour permeability

- Gives very characteristic beading effect.
- Quick and tack free drying.
- Equally effective on slightly damp surfaces.
- Resistance to UV light.
- Doesn't become shiny / tacky / yellow with time.
- Environment Compatible Product.
- Protects concrete, bricks, stones from the damages caused by water absorption, significantly reducing dirt pickup, rust stains, curtaining, lime leaching (white marks), efflorescence and salt damage etc.
- Highly Alkali resistant.
- Helps in minimizing damages due to frost-deicing salt cycles, swelling and shrinkage.
- Reduces attacks to structure by fungi, lichen, algae and other microorganisms.
- Protects the structure by significantly reducing the destruction of concrete due to corrosion of reinforcement.
- Can be used as a primer for **Zahabiya Water Shield - ZSAC-10/55**, providing excellent bond allowing the coated surface to remain dry ensuring long lasting protective paint coating in "damp rise" effected areas.



Zahabiya REPECOAT coated on the upper half.  
 The surface looks dry even after rain.

Repecoat applied on	Beading Effect (Contact Angle)*	Penetration Depth (mm)	Water Absorption (%) 24 hours**
Mortar Slabs	>130°	1-3	1.2 (6.9)
Concrete (B 35)	>130°	1-2	0.8 (3.1)
Brick	>130°	>50	0.16 (18.2)
Limestone	>130°	>20	1.1 (12.4)
Sand Lime Brick	>130°	1-3	0.8 (12.9)
Sandstone	>130°	2-6	0.3 (5.2)
Clinker Brick	>130°	5-10	0.09 (2.6)

\* Water completely wets the substrate surface giving contact angle lower than 30°

\*\* Water Absorption (%) of untreated substrate is indicated in brackets.

#### APPEARANCE:

Colourless thin liquid.

#### ODOUR:

Peculiar solvent odour. Odourless after drying. [ASTM D1833]

#### DENSITY (25°C):

0.78 kg/litre [ASTM D1475]

#### NON-VOLATILES:

7-9% [ASTM D1644]

#### FLASH POINT:

38-42°C [ASTM D3278]

#### DILUENTS & CLEANERS:

Preferably use as supplied. If dilution is unavoidable in case of highly porous surface, use aliphatic hydrocarbons (e.g. white spirit).

#### SAFETY:

Solvent based product, **Flammable when liquid**. However, the product is non-flammable after application. No health and risk issues associated with the dry film of the product. Consult Material Safety Data Sheet for more details.

#### COVERAGE:

The coverage of Zahabiya REPECOAT RP-17/9 depends upon the actual porosity and absorbency of the substrate, and can only be determined by on site testing of small area.

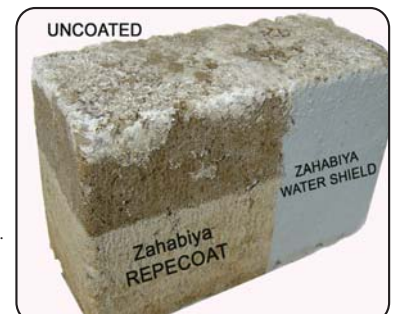
#### Surface

#### Approximate Coverage (ft<sup>2</sup>/litre)\*

Plaster	50-60
Concrete	50-60
Concrete (Aerated)	30-40
Brickwork	30-50
Natural Stones**	25-75

\*\* Coverage is based on 2 wet coats on standard surfaces.

\*\* Since the stones are of variety of types and porosities, actual consumption cannot be predicted.



Zahabiya REPECOAT coated on the lower half of a brick.  
 Effectiveness against damp rise can be seen.



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## REPECOAT RP-17/9

### Silicon based Water Repellent

#### APPLICATIONS:

**Zahabiya REPECOAT RP-17/9** can be used (minimum 2 coats application) for imparting very effective water repellence properties to the following mineral building materials:

- All kinds of concrete including mortar, reinforced concretes, fare face concrete etc.
- Cement Fibreboard.
- Aerated Concrete.
- Gypsum plaster and gypsum board.
- Mineral plasters (e.g. white wash).
- Sand-lime brickwork.
- Brickwork.
- Mineral based stones (natural and artificial).
- Mineral paints (white wash).
- Clinker brickwork.
- Granite.
- "Damp rise" effected areas.

#### PROCEDURE:

Clean and preferably dry the surface before application. If efflorescence marks (salt stains) are present, cleaning of the surface salts is recommended, using dilute tartaric acid, phosphoric acid or any other suitable cleaner. Care should be taken while handling acids, as they are highly corrosive.

**Zahabiya REPECOAT** can be applied through flooding/showering, or by brush until the surface is well saturated. For highly porous surfaces, several coats may sometimes be necessary to render them saturated. Do not leave long breaks between the coats. Apply the next coat before the surface has dried, but after the shine of the surface has disappeared (wet on wet application).

#### STORAGE:

Keep in well-ventilated, cool and dry place, away from direct sunlight at 10-25°C. Keep the original container hermetically sealed (air-tight) when not in use as the content reacts with humidity. Use within 12 months from the date of manufacturing.



#### IMPORTANT NOTICE:

*The Information & Data contained herein are correct to the best of our knowledge, tests and experience. These are presented in good faith to the users. The recommendations and suggestions mentioned are made without guarantees or representations as to the results. The Consumer should satisfy himself as to the suitability of the product for the intended purpose and use. WE ASSUME NO LIABILITY for damages of any kind and the user accepts the product 'as is' and without any other warranties, expressed or implied. Our warranty is limited to the replacement of so proved defective Zahabiya original sealed product only, provided used within shelf life as supplied originally.*



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