

Imagine a product which
waterproof your surface, saves
paint cost, protect the structure
from ageing and remain on the
surface forever...

WALL MATE[®]

Sustainable waterproofing system

For external walls



SIMPLIFYING WATERPROOFING SOLUTIONS

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ARCHITECTURAL WATERPROOFING CORPORATION is India's emerging top quality & innovative manufacturing company in the field of waterproofing chemicals. We manufacture a wide range of products that are used to apply on different kinds of concrete structure & surfaces with the main purpose of protecting it from any kind of climatic condition by which no cracks or leakages occur & it enhances the durability to the maximum years. With a world class manufacturing unit, with exceptional process development & scale up capabilities we are the perfect partner for any custom projects. The key to our success is the eagerness to find solutions to our customer needs & backed with a well qualified team to assist.

AWC core strength is its consistency in its product quality. AWC has always been committed to invest in upgrading its product line and its manpower with the latest technologies & practices. This same practice has led the establishment to build up a rigorous quality management system that allows us to be the best in the highly demanding waterproofing industry.

WE DEAL & SUPPLY

ROOF-540™

Premium quality waterproofing systems, for virtually any kind of roofs.

Elastic

Non-Diluted External Wall Coating

SEAL TAPE & CAPS®

Tape waterproofing system for metal & cement sheet roofs.

SEAL COAT

Temporary solution, but designed to work beyond warranty

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TUFF COAT

Tough Abrasion Resistance Coating

Seal Tuff™

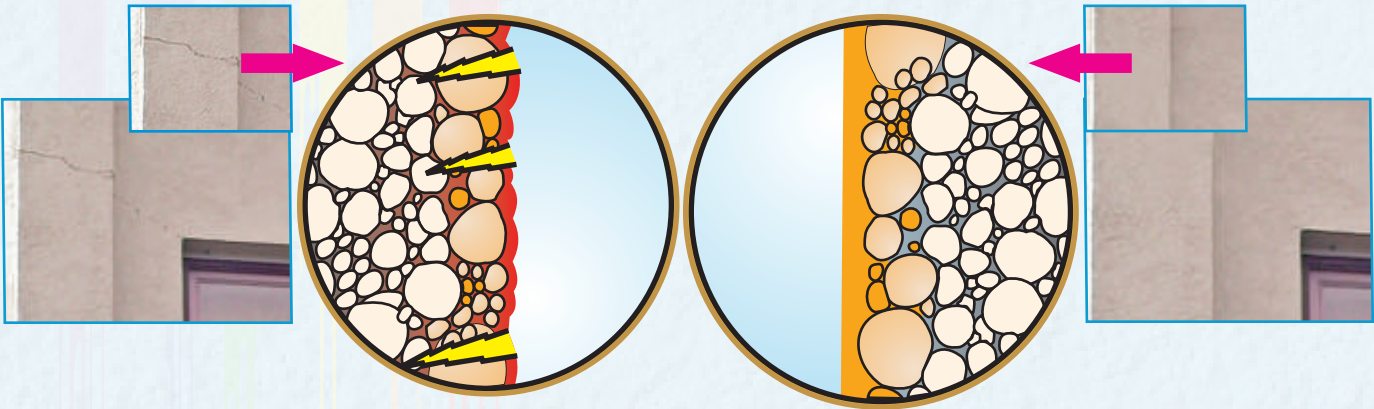
For durable, smooth and textured colour waterproofing system.



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Which one makes more sense to buy...?



What happen when you apply normal paint to your structure or so called elastomeric coatings?

Poor coating material will not withstand normal heat, UV rays and rains which will damage the THIN coating layer resulting in crack development, allowing water in the form of seepage which will effect structure durability and never ending repair & maintenance goes on.

What happen you apply WALL MATE coating to your structure?

WALL MATE, a pure waterproofing layer of a 250 micron thickness coating, will withstand the 94°C heat, wind-driven rains and will act as an water-repellent, stop seepage and crack formation. It will never break down due to climatic variation. Moreover, you don't need to paint over it, can be coated in any color of your choice. Further more, it has heat reflection properties which will not allow UV rays degradation, hence life of the structure is increased.

We need a protective layer on our surfaces rather than a normal paint or coating which is for aesthetic look. Our protective layer should be tough enough to take all the harsh weather conditions and stays on the surface..... Wall Mate meets all these needs.



PRODUCT DESCRIPTION

WALL MATE is a fluid-applied, advanced acrylic elastomer designed to waterproof exterior vertical surfaces. It possesses outstanding adhesion to a wide variety of substrates.

WALL MATE is a permanently flexible “breathing” membrane, allowing moisture/ vapor from the substrate or building interior to escape through the coating while remaining impervious to mass water penetration from the exterior.



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WALL MATE cures in a two-stage mode. The exposed surface crosslinks under ultraviolet light, while the sub-surface of the coating is protected from further crosslinking and retains a permanent elastomeric bond to the substrate. This eliminates the need for a separate topcoat and allows the system to repel dirt, mildew and pollution without sacrificing flexibility. It contains no plasticizers, and will not harden or slump with age or changes in temperature.

BASIC USES

WALL MATE was specifically developed to waterproof vertical concrete and masonry building exteriors. It has the ability to uniformly cover the profile of textured substrates,



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forming a continuous membrane, resistant to all forms of weather and airborne pollutants.

WALL MATE effectively covers existing hairline cracks and repaired areas, and bridges hairline cracking caused by further building movement. It provides long-term, aesthetically pleasing waterproofing of all types of concrete and masonry surfaces. WALL MATE is also effective over wood and hardboard substrates. It is available in smooth or a wide range of textured finishes.

COLORS

WALL MATE is available in various shades of standard natural toned colors. All other colors are custom matched for the specific application. AWC INDIA has the color tinting facilities to match virtually any color. Color chips or samples must be furnished to AWC INDIA for all custom colors.

ADVANTAGES

Single Component: WALL MATE is a ready-to-use material requiring no catalyzation. It has no pot life problems.

No Solvents: WALL MATE is a water-based elastomeric emulsion conforming to all VOC and air pollution standards.

High Resin Content: WALL MATE contains a higher ratio of acrylic resin to filler pigments than other coatings.

Uniform High Film Build: WALL MATE'S thixotropic consistency gives it excellent vertical hold, allowing full application in one or two coats.

Self Cleaning: WALL MATE seals and protects, releasing dirt, dust and pollution from its tight surface skin.

Elastomeric: Permanent and non-aging, WALL MATE moves with the building to bridge hairline cracks that may develop.

Low Temperature Performance: WALL MATE, unique in its elongation properties are maintained at cooler temperatures, contributing to its ability to bridge hairline cracks and withstand freeze/thaw cycling.

Abrasive Weather Conditions: WALL MATE withstands all normal weather conditions.

7 MONSOON WARRANTY

AWC INDIA'S guarantee, to the building owner that for a period of 7 (Seven) years from the date of completion, WALL MATE standard colors, properly applied. Will have excellent color retention, uniformity & will not peel or flake for the full guarantee period & also act as a water-repellent for the full guarantee period.



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Property	Value	Method
Solids by Weight	68% (±2)	ASTM D2369
Solids by volume	55% (±2)	ASTM D2697
Tensile Strength	150 psi (1.0 kPa) (±25) @ 75°C F 400 psi (2.8 kPa) (25 ± 10) @ F	ASTM D412
Elongation	300 (50 ± 7) @ c F 400 (50 ± 10) @ F	ASTM D412
Hardness	60-70 Shore A	ASTM D2240
Permeance	7.7 perms at 15 mils	
	(81 microns)	ASTM E96
Dry Time @ 75°C F 50 % H	1 ½ hrs @ 20 wet mils (508 microns)	ASTM D1640
Low and High Service Temperature Limits	-30°C F to 200°C F (-34°C to 93°C)	

This testing result comes from the years of field exposures and of course quality product stand out in lab and field test.

Wall Mate has series of certificates to its credit for its outstanding characteristic.

Property

Test Procedure

Value

Accelerated Weathering–
Ultraviolet (U.V.) Resistance

Atlas Carbon Arc Weather-Ometer Type EH
- Continuous UV and water spray cycling at
elevated temperature. ASTM D822

After 2,000 hours of continuous exposure
WALL MATE showed no deleterious
effects, no surface checking, cracking or
delamination.

Resistance to Wind Driven Rain

Pressurized test chamber producing 5"
(12.7 cm) of water pressure, equivalent to
100 mph wind pressure (161 km/hr).
Federal Spec. TTC-555B

During 40 hours of continuous testing, no
apparent moisture penetrated the
WALL MATE sample

Resistance to Salt Spray

Harshaw Salt Spray Cabinet (5% sodium
chloride fog solution). ASTM B117

After 500 hours of continuous exposure
WALL MATE showed no deleterious effects,
no surface checking, cracking or
delamination.

Resistance to Mildew

Five different fungus cultures grown on
potato dextrose agar in an 86°F (30°C)
incubator. ASTM G21

After 14 days, all WALL MATE samples
showed absolutely no fungus growth

Low Temperature Flexibility

Federal Test Method No. 141a-6221,
utilizing Gardener Mandrel set at cryogenic
temperatures.

WALL MATE has the ability to withstand
multiple 180° bends over a 1/8" mandrel
at -30°F (-34°C).

Elongation After Aging

Atlas Carbon Arc Weather-Ometer Type EH
(ASTM D822) and Instron Universal Testing
Instrument. ASTM D412

After 2,000 hours exposure in the
Weather-Ometer, WALL MATE retained
95% of its elastomeric properties.

Low/High Temperature Stability

Aged films tested in accordance with ASTM
D822 in thermostatically controlled heat
chamber and freezer.

Films retained their ability to be flexed
180° without cracking at temperatures
from -30°F to 200°F (-34°C to 94°C) with no
age hardening or slump.

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OTHER ADVANTAGES OF WALL MATE:

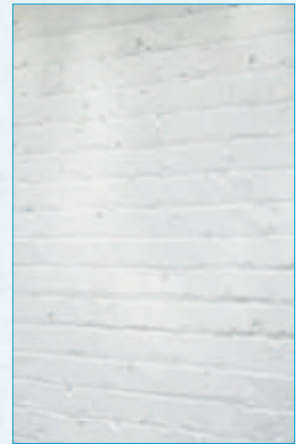
Wall mate has been not only designed to be applied on plastered surface but can be applied on various applications:



Concrete Surface



Plaster Surface



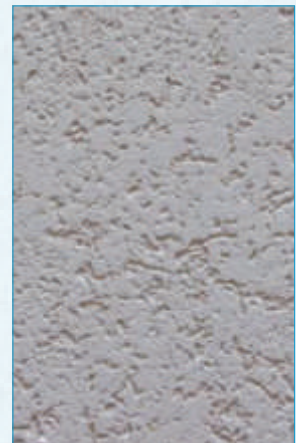
Brick Surface



Metal Surface



Wood Surface



Texture Surface

& Many More Surface's

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