

Breath~~e~~Coat

Problem solving paints and coatings for the domestic, commercial and industrial construction industry which are environmental friendly sustainable.

For a **GREENER** future.

ADVANTAGES OF BREATHCOTE PAINTS AND COATINGS

- * Breathable
 - * Allows vapour-moisture out, does not allow water in.
- * Solvent free and odour less, immediate room occupation
- * Paint when plaster is just touch dry, reduced lead time.
 - * Does not affect bouquet of wine or taste of food
 - * Save money and time
 - * No undercoat needed
 - * Fire retardant
- * People and environment friendly- zero VOC's
 - * Water proof
 - * Quick drying
 - * Long lasting
 - * Allergy free
 - * Anti-Fungi
- * Crack-Bridging, Flexible
 - * No blistering or peeling
- * Available in Smooth, Ultra smooth and Textured finish.
 - * Full colour range available

Breathecoat Paints and Coatings allow residue moisture to escape through microscopically small pores in its membrane.

This means that the damp does not build up inside the structure to produce blistering or peeling of the wall coating.

Similar to human skin, it will not allow water in to create a build up of damp, making it an ideal breathable coating.

Therefore Breathecoat Paints and Coatings is an ideal problem solving paint for buildings where rising damp is present or where damp course membranes are absent.

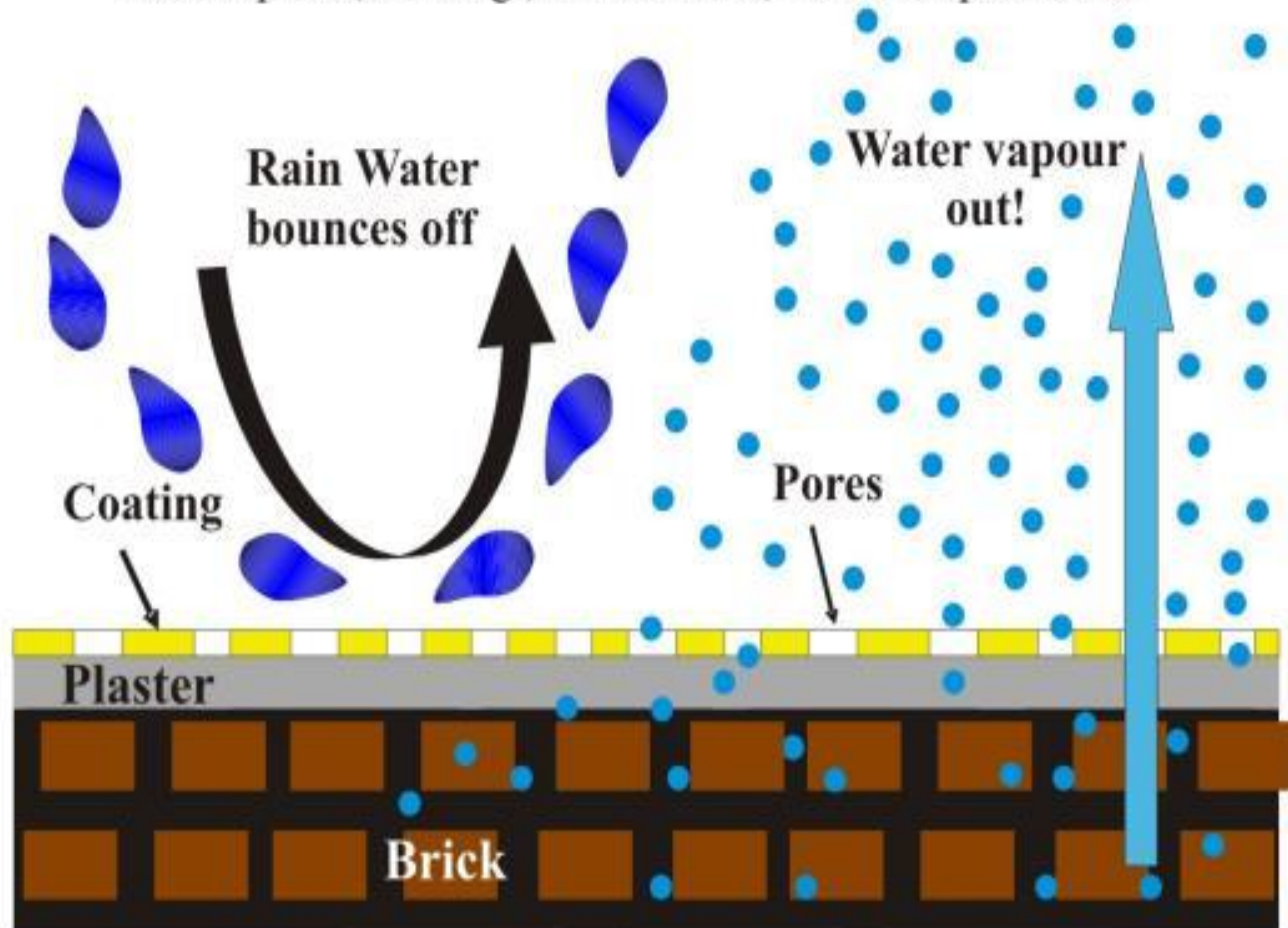
Breathecoat Paints and Coatings are specifically specified for monuments and heritage buildings, constructed from soft clay bricks that tends to hold moisture.

Breathecoat Paints and Coatings also bonds exceptionally well to flaky or dusty surfaces like limewash, to yield a cohesive finish that protects and beautifies.

* Refer to the image below.

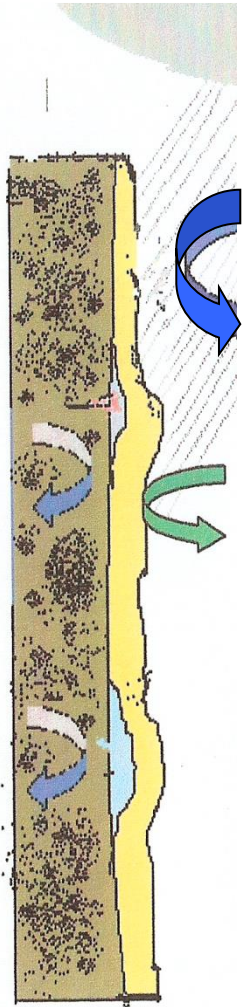
BreatheCoat Membrane, Nano-Technology Moisture Transmission Mechanism.

No dampness, no fungi, no microbes, no health problems!



Water in liquid form has a size of 15,5nm, Water Vapour only 11,5nm (nanometer)

Conventional paint versus Breathecoat cementitious paint

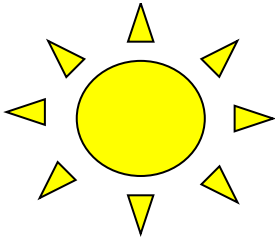


Latex Paint

Low water absorption, low water vapour permeability, low CO₂ permeability

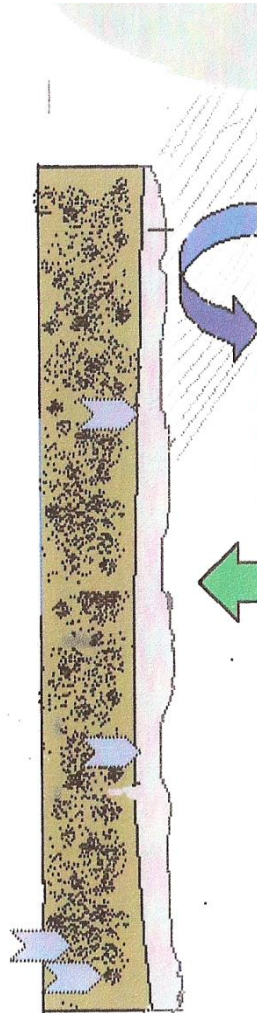
Soluble salts migrate to the surface, causing osmosis

Low permeability against CO₂ prevents application on fresh mortar

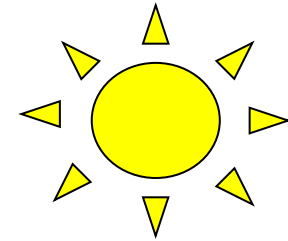


Rain water can be absorbed through voids, pinholes, window frames but can not evaporate – and accumulates

Sunshine heat causes the water to evaporate and the damp pressure leads to blisters



Low capillary water absorption, even hairline cracks are water repellent, high water vapour permeability



High permeability for CO₂

No blisters, no delamination

BreatheCoat Polymer modified Cement Paint

Low capillary water absorption, high water vapour permeability, good CO₂ permeability

Due to the porosity of the Breathecoat membrane, the application can commence on to plaster, brickwork, blocks or concrete before the substrate has completely dried, giving projects faster turn around time.

Due to the Zero VOC contents no irritation of the respiratory system of humans or animals occur and the coating, once applied, does not have any effect on asthma or allergy sufferers.

Ideal to be applied in confined rooms and dwellings due to Zero VOC.

The mixed product is water-based, therefore all equipment can be cleaned with water.

Breathecoat can be applied during the rainy season, making it a productive paint for all seasons.

Residues are not harmful to the environment.



Pretoria City Hall painted with Breathecoat



Cape Town Castle Interior

Interior walls painted with Breathecoat. Uncoated area contaminated with fungal growth. Breathecoat counter fungal growth in humid and damp areas where ventilation is limited.

Application References Breathecoat

Industrial: Meat and Fish processing, cold storage, Factories, Dairies and Cheese Factories

Waterproofing: Ponds, dams, fountains, swimming pools, roof's

Fire proofing of wooden structures, braais and chimneys

<u>Hotels</u>	<u>Schools</u>	<u>Shopping Centres</u>	<u>Commercial Centres</u>	<u>Wine Estates</u>	<u>Historical</u>	<u>Others</u>	<u>Housing Estates</u>
Lanzerac	Lynedoch	Somerset Mall	Harbour Island	Neil Ellis Vergenoegd	Toy Museum Stellenbosch	RDP Projects	Klein Zalze
Spier Hotel villas and old Est. Building	Nyanga	Friendly Grocer, Gordon's Bay	Black Horse Centre, Stellenbosch	Spier, Beyerskloof, Rozendal, Allee' Bleue, L'avenir,	Houses in Dorpstreet (Under monument protection)	Mfuleni Libodi NW Prv	Pallazzo Somerset West of Scholtz Road Fairview
Country Inns and Hotels	Oscar Mpatha Bridge Town Boys	Pick n' Pay Gordon's Bay Quick Spar Stellenbosch	Slouch Couth Star Courier Gants Centre	Annandale Whale heaven Diemersfontein Mooiberge	Stellenberg Estate Kenilworth	Tapologo Rustenburg	Heritage Park S.West
Various Guest Houses	Buthesizwe Educational and Dev. Trust	Miscel Factories	Water Comfort Kenilworth	Devon Valley Rietrivier Zorgvliet	Groote Schuur (Paarl)	La Plaisance George	Greenways Strand
Steenberg Golf Estate Hotel	Crèches in Somerset West and Strand	Various Restaurants Coffee Shops	Noordhoek Farm Stalls	Grangehurst Boschendale Flagstone	Lanzerac Stellenbosch (Part of it)	Back packers Table Mountain	Schaapenberg Beachfront Apartments
Mount Nelson (Inside only)	Lyndhurst crèche of Doorhill Rd. S.West (Inside only)	Khayelitsha	WP Cellars	Vergelegen, Zevenwacht, Anura	Oude Nektar	Eco City JHB	Mountain-side in Gordon's Bay
St James Knysna	German School, Cape Town	Village Gate Village Centre Houtbay	Water Comfort Bloemfontein	Backsberg Mont Rochelle Lourensford, Orange River	Boschendal house in Stellenbosch	Green Bldg Westlake	Erinvale in Somerset West
	Atlantis Teachers Training College, Wits University, University of Cape Town	Golf Estates De Zalze Stellenbosch Fairview, Waldorf, Barbican	Water Comfort Hermanus, Bloemfontein Town Hall	Croydon, La Couronne Rust & Vreede, Asara, Amani Dellrust	Robben Island Cape Town Castle Transvaal Scottish	Mines Steinkopf, Bloemfontein Town Hall	Agulhas National Park

TECHNOLOGY FOR A GREENER FUTURE

Eco friendly paints & cementitious coatings

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The logo for Breathecoat features the word "Breath" in a black serif font, followed by "eCo" in a blue script font with a red horizontal line through the "e", and "at" in a black serif font. The entire logo is set against a white background.

Breath^{eCo}at