



TECHNICAL DATA SHEET

**BREATHE SILICATE HYBRID PRIMER 20**

**PRODUCT DESCRIPTION**

Breathe Silicate Hybrid Primer 20 is a highly breathable water-based primer optimized for superior performance. Highly recommended for new unpainted exterior cement rendered or lime plastered walls. It also can be applied on walls previously painted with silicate or mineral paints provided surface preparation is observed.

**MATERIAL COMPOSITION**

- Composite Binder
- Mineral alkali water glass
- Mineral pigments
- Fillers

**MATERIAL PROPERTIES**

- Use on external facades.
- Solvent free.
- Highly breathable.
- Mineral matte surface.
- Allows absorption into substrate.
- Durable adhesion by silification on mineral substrates.



1/3

**TYPE OF PRODUCT**

Primer coat for mineral and porous substrates specially formulated for Breathe Silicate Hybrid Paint System.

**TECHNICAL DATA**

Appearance	: White
Working Temperature	: From 15°C to 38°C
No. of layers	: 1 coat
Practical Coverage	: 4.5m <sup>2</sup> - 7m <sup>2</sup> depending on the porosity of the substrate
Thinning	: Product comes ready to use
Solvent	: Water
Dry at touch	: 2 hours
Painting for finishing coats	: After 4 hours



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### PREPARATION - NEW WALL

New walls must be unpainted and untreated with any type of water repellent • the wall should preferably be a porous cement or lime render substrate • Breathe Silicate hybrid Primer 20 has limited adhesion capabilities to non-porous and non-mineral substrates • New cement render substrates must be cured for 14 days or more, as it can affect the performance of the finishing coat • Holes and cracks must be patched by a breathable patching compound • New walls attacked by mold must be treated with Fungus Killer. If cleaning is required, please use a high-pressure water jet to clean the substrate.

### PREPARATION - WALLS PREVIOUSLY PAINTED WITH BREATHABLE SILICATE PAINTS

Clean the wall with a high-pressure (at least 1200psi) water jet • Treat all fungus infected areas with a Fungus Killer. Refer to Roxsil Tech Support for more information • Holes and cracks must be patched by a breathable patching compound • Loose plaster materials must be scrapped off • Allow wall to dry completely before applying the Primer • Ensure substrate dampness is less than 17% WME (Wood Moisture Equivalent) when measured with Protimeter brand moisture meter • If mold is present, treat with Fungus killer • Use a high-pressure (at least 1200psi) water jet to clean the substrate thoroughly especially areas with excessive chalking • Loose plaster and loose paint film materials must be scrapped off thoroughly.

2/3

### APPLICATION

Product is ready to use. For best performance do not dilute with water • Mix product with a hand drill at low speeds or pour into a clean and dry pail. Repeat mixing action at least 2 to 3 times • Recommended for use on cementitious or lime plastered substrates including concrete, plasters, fiber cement, cement blocks etc. • Number of coats: In most cases, one (1) coat is sufficient when undiluted. Apply a second coat if required or recommended by Roxsil Tech Support • Coverage: Between 4.8m<sup>2</sup> – 8m<sup>2</sup> coat depending on the porosity and smoothness of the substrate • Application: Brush, fiber roller or spray • Drying time: Minimum two (2) hours. Do not apply when substrate is damp. For best results, test the porous substrate for moisture level using Protimeter brand moisture meter. Moisture level must be less than 17% above 38°C or if you think temperatures will drop below 10°C during the drying period. Drying is slowed by low temperatures and high humidity • Cleaning up: Use water to clean painting tools.



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### HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION

Treatments such as sanding, burning off, etc. of paint films may generate hazardous dust and/or fumes

- Wet sanding should be used wherever possible. Work in well ventilated areas
- Use suitable personal protection equipment
- Lift with care - gross weight exceeds 20kgs
- Wear eye or hand protection
- Do not Breathe vapour spray
- Use only in well-ventilated areas
- Remove as much paint as possible from brushes and rollers before cleaning
- Avoid release to the environment. Collect spillage
- Keep away from food, drinks and animal feed
- Store in a cool and shaded place
- Container must be in a secure, upright position and be tightly closed
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- In case of contact with skin wash immediately with soap and water or a skin cleanser, do not use solvents or thinners
- Do not empty into water course
- Safety data sheet available for professional user on request.

### PRECAUTIONARY STATEMENTS

Keep out of reach of children. If medical advice is needed, have a product container or label at hand

- Do not get in eyes, or on clothing
- Call a Poison Center or physician if you feel unwell
- Dispose of contents and container in accordance with all local, regional, national or international regulations.

### ICONS



Excellent Breathability



Excellent Durability



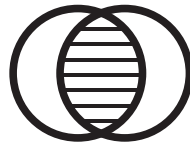
Extreme Adhesion



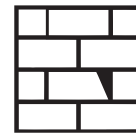
Fire Resistant



Water Based



Absorption by Silification to Mineral Substrates



Efflorescence Resistant

Manufactured by:

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