

## EM SOLANCE

### Product description

- Superior protection against mould growth on physical basis
- Problem solver for cold exterior walls susceptible to mould growth
- Non-toxic, eco-certified interior paint
- Ecological, mineral
- Heat-regulating thanks to insulating effect
- Breathable, moisture-regulating
- Fills cracks up to 0.5 mm without shrinking

### Brief product description

Solance is an innovative combination of a mineral, glass-based (ultra-fine hollow glass microspheres) interior paint. Solance interior paint comes with 40 % by volume of hollow glass microspheres. The vacuum inside the microspheres provides excellent heat-insulating properties, ensuring a pleasant ambient climate and ideal air circulation inside the room. It is recommended that two coats of paint be applied to achieve the structural effect. Available in white or any colour on the shade card.

### Field of application

Solance is suitable for indoor use on all properly prepared substrates/basecoat renders consisting of lime, lime cement, cement and gypsum.

### Product properties

Solance is a non-toxic, eco-certified, breathable and heat-insulating paint for all interior rooms. The final coat features a fine surface texture. The ultra-fine hollow

glass microspheres maintain an ideal balance between room temperature, air circulation and relative humidity. Solance interior paint creates a micro-porous surface on the wall that is water vapour permeable yet blocks large-scale absorption. Condensation of water vapour on the wall surface is thus prevented. The vacuum percentage in the hollow glass microspheres provides a wall insulating effect – heat remains inside the room. The internal relative humidity can be controlled thanks to the paint's hydrophilic properties. Heat is evenly distributed over the entire wall surface and ensures a well-balanced ambient climate, also in corners of rooms. Solance interior paint thus effectively prevents mould growth.

### General information

Contact us for technical support if you have questions regarding the application or site specifics. Do not mix with any foreign substances. Make sure eyes and skin are protected. In the event of eye contact, wash thoroughly with water and consult a doctor immediately. Please refer to the Material Safety Data Sheet for health and safety advice. After hardening, the paint presents no risk to health or environment.

### Legal notices

The information provided in this document is based on our technical knowledge and experience at the present time. It must be regarded as a general guideline only. Owing to the large number of potential influences, it does not relieve anyone using or processing our products from the responsibility of carrying out their own tests and

experiments, nor does it imply any legally binding assurance of certain properties or that our products are fit for a specific purpose. Responsibility for complying with any property rights, applicable laws or other requirements lies solely with the user. This datasheet invalidates any previous datasheets.

## Site requirements

Ensure the substrate surfaces are stable, dry and free from dirt, loose particles or release agents (e. g. formwork oil). Do not paint in site or ambient temperatures below 5 °C or excessive heat above 30 °C. Allow approx. 12 hours to dry under standard conditions (+ 20 °C / 65 % relative humidity). Lower temperatures or higher humidity may increase drying time.

## Substrate preparation

When painting over old coats of paint, we recommend pretreating the surface with prim 1070 penetrating primer depending on the relevant substrate. Old coatings or gypsum boards need to be pre-treated with prim 1020 barrier coating to prevent stains from bleeding through. Cover dirt-sensitive building elements or seal them off with a water-proof cover.

## Application

Always stir well before using Solance. It can be thinned with max. 10 % clean water depending on the substrate's absorption capacity. To assure uniform coverage, use a suitable roller, brush or spray system to apply Solance. For laying off, it is recommended that a short-pile roller be used. A second coat of paint is required to ensure the structural properties are achieved. Thoroughly clean tools and equipment with water after use.

## Subsequent treatment

Protect painted areas from rapid drying caused by direct sunlight or draughts.

## Coating

We cannot guarantee that the paint colour will exactly match the colour on the shade card due to the pigmentation. Variation in colours can only be excluded within single batches. Solance can be coated with silicate-emulsion, silicone resin and emulsion paints.

## Further processing

Information on the time required for the render to set

before painting is provided in our instructions.

## Storage

Protect from frost or freezing temperatures. Shelf life is at least 12 months when stored in original, unopened buckets.

## Quality

The use of tried and tested raw materials that are continuously checked guarantees consistently high-quality products. State-of-the-art manufacturing facilities ensure reliable product properties. We continuously monitor product quality at our in-house building materials labs.

## Coverage rates

For one coat of paint, approx. 0.2 – 0.3 l/m<sup>2</sup> depending on the type of substrate and its absorption capacity. Note: Rough surfaces may increase the amount of paint required. A test patch is recommended to determine the exact consumption rates.

## Availability

In 5 l buckets on pallets with 64 buckets each = 320 l;  
in 15 l buckets on pallets with 24 buckets each = 360 l

## Disposal

Make sure to completely empty the buckets and dispose according to official regulations.

Technical specifications
Solvent-free, water-soluble (max. 10%), eco-friendly and low in odour
Hydrophilic, micro-porous and non-film forming
Highly water vapour permeable (Sd-value 0.04 m according to EN ISO 7783-2, at approx. 200 µm dry film thickness)
Capillary water absorption w-value after 24 hours: > 1 kg/m <sup>2</sup> h <sup>0.5</sup> according to DIN EN 1062-3
Gloss level: matt (DIN 53778)
pH value 9.0 ± 1.0
Density 1.05 g/cm <sup>3</sup> ± 0.1
Hiding power class 3 (DIN ISO 6404-3)
Wet scrub resistance class 3 (DIN ISO 11998)
VOC: certified according to the ecolabel requirements