

1. DESCRIPTION

ISOVIT REV SP is a silicate aqueous paint with excellent water vapour permeability based on potassium silicates, inorganic pigments and selected adjuvants. *ISOVIT REV SP* has a mineral matt appearance available in various colours, by catalogue and upon request.

2. FIELD OF USE

ISOVIT REV SP is a mineral paint with high water vapour permeability which hardens by reaction with the substrate, mineralizing (does not form film). This paint is intended for substrate coating and protection.

ISOVIT REV SP is characterized by a high resistance to atmospheric agents and ultraviolet rays. Its high alkalinity prevents the formation of fungi and algae.

ISOVIT REV SP is especially suited for the rehabilitation of old coatings making them look similar to ancient coatings, as if whitewashed, with natural colour nuances.

ISOVIT REV SP is applicable on exterior and interior walls, on porous mineral-based substrates, such as hydraulic substrates (renders and concrete), lime, plaster, among others. It should not be applied on metal, plastic, wood and existing paint.

3. CARACTERÍSTICAS DO PRODUTO

Characteristics	Value
Colour	Catalogue and upon request
Viscosity (at 23 °C)	102 ± 5 KU
Density (at 23 °C)	1,47 ± 0,03
No. of coats	2 to 3
Theoretical consumption	8 to 10 m ² /l/coat
Solvent	Water
Cleaning solvent	Water
Permeability to liquid water	< 0,1 kg/(m ² .h ^{0,5}) – W3
Permeability to water vapour	➤ 150 g/(m ² .d); < 0,14 m – V1
Brightness class	G ₃ Class (matt)
Pigmentation composition	100% inorganic
Dry to the touch	≈ 1 hour
Repainting	12 a 14 hours
Volatile organic compounds Directive 2004/42/CE	EU limit value for this product (cat A/a):75 g/l 2007; 30 g/l 2012 This product contains a maximum of 29 g/l

4. APPLICATION

a) Substrate preparation

Substrates should be cohesive, without cracks, loose sand, dust, contaminating fats.

On old substrates, their adhesion to cohesion should be checked, by repairing cracks and by redoing the damaged areas if necessary.

On previously painted surfaces, water jet or brush cleaning should be performed to remove all existing paint. However, in the case of a silicate or lime mineral paint it is not necessary to eliminate it, by cleaning and removing all non-adherent or contaminated materials.

If the substrate is contaminated with fungi and algae, apply **ISOVIT AD 41** cleaning solution for their elimination prior to applying the **ISOVIT AD 25** primer.

On clean substrates, apply a coat of **ISOVIT AD 25** primer. Wait 12 to 14 hours before applying **ISOVIT REV SP**.

Before painting, all glass and aluminum surfaces should be protected.

b) Product preparation

Stir the product until its complete homogenization.

c) Application

Aplicar a 1ª demão de **ISOVIT REV SP** com uma diluição de 10 % de água em volume sobre os suportes com o auxílio de uma trincha ou de um rolo anti-gota e as seguintes 2ª e 3ª demãos deve ser aplicada sem diluição. A aplicação de cada demão deve ser dada de forma homogênea e numa só camada (sem excesso) de modo a evitar-se a presença de marcas de sobreposição. Entre cada demão deve esperar-se um tempo de 12 a 14 horas.

Apply the 1st coat of **ISOVIT REV SP** with a dilution of 10% of water in volume on the substrates using a brush or an anti-drip roller and the following 2nd and 3rd coats must be applied without dilution. Each coat should be homogeneously applied and in a single layer (without excess) to avoid overlap marks. Between coats, there should be a 12 to 14 hours waiting time.

In hot weather applications, 10 % of **ISOVIT REV SP** should be diluted with **ISOVIT AD 25** primer, however application under these conditions is not recommended.

Do not apply more than 3 coats of the product.

d) Restrictions

The substrate temperature must be 3 °C above dew temperature, but it may not be hot due to sunlight exposure.

ISOVIT REV SP should not be applied:

- At room and substrate temperatures below 10 °C, above 30 °C and relative humidity of more than 70 %;
- In case of rain or forecast of rain or showers, during and up to 48 h after completion of application;
- On substrates exposed to direct sunlight or strong exposure to winds;
- Frozen or wet substrates;
- Hot substrates;
- Painted substrates

ISOVIT REV SP colours may differ in shade, especially medium/dark colours. This characteristic is a property intrinsic to mineral-based paintings, thus obtaining a look with colour nuances, typically found in paintings of old whitewashed buildings.

Each facade should be painted under the same conditions of temperature, sunlight, wind and humidity, at risk of, with differentiated drying, variations in the final colour occurring.

If there is a work stop when painting (working joint), variations in colour may also occur between the first and second stages, thus the painting of complete panels is recommended.

It is recommended to use product from the same production batch for each job.

e) Complementary Advices

Do not add any other products to *ISOVIT REV SP*. It should be applied as it is shown in its original packaging or in accordance with the dilution shown in this data sheet.

5. PACKAGING AND VALIDITY

Packaging

15 l buckets in plasticized pallets of 33 buckets.

Validity

24 months provided the conditions of the original packaging remain unaltered and in good storage conditions, protected from extreme temperature and humidity.

6. HEALTH AND SAFETY

(DOES NOT REPLACE CONSULTATION OF THE PRODUCT SAFETY DATA SHEET)

- Irritating to eyes, respiratory system and skin;
- May cause sensitization in contact with skin;
- Do not breathe dust;
- Avoid contact with skin and eyes;
- If it comes in contact with eyes, rinse immediately and thoroughly with water and seek a specialist advice;

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- Use protective clothing and appropriate gloves;
- Keep out of children's reach.

Being the conditions of applying our products out of our reach we do not take responsibility for its misuse. It is the customer's duty to verify the suitability of the product for the intended purpose. In any case, our responsibility is limited to the value of the goods supplied by us. The information contained in the present data sheet may be altered without prior notice. In case of doubt and if you need any further advice please contact our Technical Services.

Revision of June 2022
FT 13013.02 EN