



A 64 R-EVOLUTION

DATA SHEET

Water-repellent, fibre-reinforced and polymer-modified mineral skim coat, for application on surfaces with high mechanical strength, made from lime and hydraulic binder, for interiors and exteriors



Interior/Exterior



Sack



By hand



Metal trowel



Sponge float



Composition

A 64 R-EVOLUTION is a premixed fibre-reinforced and polymer-modified skim coat made from white hydraulic binder, hydrated lime, graded sand and specific additives to improve workability and adhesion.

Supply

- Special sacks with protection against moisture, approx. 25 kg

Use

A 64 R-EVOLUTION is a mineral-based skim coat for interiors and exteriors featuring high dimensional stability and excellent mechanical characteristics. The product is used for smoothing off particularly solid irregular surfaces, both absorbent and non-absorbent (such as concrete, very hard plasters, strongly bonded plastic coatings, etc.).

Substrate preparation

The substrate must be free of dust, dirt, etc. Any traces of oil, grease, wax, anti-evaporation agents etc. must be removed beforehand.

The substrate must be prepared in such a way as to obtain a particularly compact surface suitable for supporting a skim coat with high mechanical strength. Parts that are crumbling or coming loose should be removed until reaching a solid and strong substrate and repaired using suitable products. Specifically, concrete must be repaired using specific products, chosen based on the thickness and area of mortar to be used, and applied in accordance with the corresponding datasheets.

It can be applied on vitreous coatings indoors. In this case, first apply PRIMERTEK 101 primer and wait until this dries before applying the skim coat.

For absorbent substrates, before applying A 64 R-EVOLUTION, moisten the surface, however without leaving films of water of the surface.

Mixing

Add the product to the corresponding amount of clean water (as specified in the Technical Data) and mix by hand or using a mechanical stirrer at low speed until obtaining a uniform and smooth mixture of the desired consistency.

A 64 R-EVOLUTION is applied using a metal trowel with horizontal and vertical movements. Ideally these products should be applied in two layers, embedding FASSANET 160 alkali-resistant mesh in the first layer of skim coat. The second layer of A 64 R-EVOLUTION will be applied once the first has set. It is recommended to use the technique described above for uneven substrates and in all cases where there is the need to reduce the risk of cracks forming, due for example to tensions in the substrate or exposure to rapid changes in temperature.

The final stage in application of A 64 R-EVOLUTION is to finish the surface with a sponge float, so as to give a float finish.



For concrete substrates, it is recommended to use the specific elastomer finish C 285 BETON-E, in compliance with EN 1504-2 for the class of coating in accordance with PI-MC-IR principles, so as to protect against carbonation.

Warnings

- Product for professional use.
- Always read the safety datasheet before use.
- The fresh adhesive must be protected against frost and quick drying. A temperature of +5°C is suggested as a minimum value for application and to obtain proper hardening of the skim coat; below this value setting would be delayed considerably, and below 0°C the still moist or partially hardened product may be broken up by frost.
- Do not apply on surfaces where release oils are present.
- Protect the product with a suitable finish coat, which must be applied when the product has cured.

A 64 R-EVOLUTION must only be used in its original state without the addition of other materials.

Storage

Store in a dry place for no longer than 12 months.

Quality

A 64 R-EVOLUTION is subjected to careful and constant testing in our laboratories. The raw materials used are rigorously selected and checked.

Technical Data

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| Specific weight of the powder | approx. 1,300 kg/m ³ |
| Thickness | 2-10 mm |
| Grading | < 0.6 mm |
| Mixing water | approx. 22÷24% |
| Yield | for smoothing: approx. 1.5 kg/m ² per mm in thickness |
| Compressive strength after 28 days (EN 12190) | > 15 N/mm ² |
| Modulus of elasticity in compression (EN 13412 - method 2) | ≥ 12,000 MPa |
| Chloride ion content (EN 1015-17) | ≤ 0.05% |
| Adhesion (EN 1542) | ≥ 0.8 MPa |
| Thermal compatibility, freeze-thaw (EN 13687-1) | ≥ 0.8 MPa |
| Thermal compatibility, freeze-thaw (EN 13687-2) | ≥ 0.8 MPa |
| Thermal compatibility, freeze-thaw (EN 13687-4) | ≥ 0.8 MPa |
| Capillary absorption (EN 13057) | ≤ 0.5 kg·m ⁻² ·h ^{-0.5} |
| Class | R2 according to EN 1504-3 |

The above information refers to laboratory testing; it is possible that in practical applications on site these may differ considerably according to the conditions in which the material is applied. In any case the user must check that the product is suitable for the intended application, taking all responsibility for its use. Fassa reserves the right to make technical modifications without notice.

Technical specifications regarding the use of Fassa Bortolo products for structural or fire prevention applications will only be officially valid if provided by Fassa Bortolo's "Technical Service" and "Research, Development and Quality System". If necessary, contact Technical Service in your country of reference (IT: area.tecnica@fassabortolo.com, ES: asistencia.tecnica@fassabortolo.com, PT: assistencia.tecnica@fassabortolo.com, FR: bureau.technique@fassabortolo.fr, UK: technical.assistance@fassabortolo.com).

Please note that for the aforementioned products, the assessment is required by the appointed professional, in accordance with regulations in force.