

flexible two-component sealing mortar

- Pre-dosed two-component system
- High flexibility
- Fibre-reinforced
- Protects concrete against carbonation
- Over-coatable
- Flexible and exterior sealings on substrates with slight movements
- Suitable for contact with drinking water
- Resists pressure and backpressure
- Certified under standard UNE EN 1504-2 (Product for concrete protection) and UNE EN 14891 (Liquid sealing membranes under ceramic tiling)

Applications




- Sealing of balconies, terraces (even paved), roofs and, in general, of both absorbent and non-absorbent substrates, remaining always stable and consistent.
- Sealing of showers, baths and swimming pools, prior to placement of ceramic tiles.
- Flexible coatings of substrates with small cracks in concrete prefabricated structures.
- Protection of concrete surfaces against the action of carbon dioxide, smog, chlorides, sulphates, etc.
- Sealing coatings of retaining walls. Sealing of water tanks (suitable for drinking water, ARPA certified under Ministerial Decree 174/2004), although washing down with clean water is required after setting.

Associated claddings:

Mineral plasters, ceramics, paints and acrylic mortars.

**Recommendations
for use**

- Application temperature 5°C to +30°C
- Avoid exposure to direct sunlight on warm surfaces and in the presence of strong wind.
- Do not apply with frost or risk of frost or on substrate that is frozen or in the process of thawing. Do not apply in bright sun, with the substrate warm or in the presence of strong wind.
- Protect the application during the first 24h-48h from rain, bright sunlight and strong wind.
- In the event of working at high temperatures, protect the products from exposure to sunlight beforehand.
- After application, working tools should be washed with water before the product hardens.
- Do not add water, aggregates or other substances to the product.
- Avoid mixing partial amounts of the product.
- Restrict pedestrian traffic solely to service and maintenance tasks.
- After application, in particularly dry, hot or very windy climates, it is recommended to protect the surface from quick evaporation by means of using damp cloths or creating areas of shade.

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| Substrates | Smooth concrete, prefabricated concrete items, mortar plaster and ceramics. |
| Remarks | <ul style="list-style-type: none"> Do not apply thicknesses of more than 2 mm per layer. Do not apply on dusty, loose or damaged surfaces with traces of efflorescences or with remains of oils or de-moulding agents. Do not apply on bitumen joints or bituminous products in general. The product weber.tec imperflex 2C should be mixed according to the proportion of one bag of powder per pot of weber.tec imperflex 2C resin. If applying in poorly ventilated places, it is recommended to boost the ventilation, even by mechanical means, if necessary. |
| Preparation of the Substrate | <ul style="list-style-type: none"> The surface must be sound, stable, free of dust and fragments that are loose or may come off. Efflorescences, traces of oils and rust should be removed. Repair any damaged areas and fill the pores in the concrete and the joints between blocks either with weber.tec hormiplus or weber.tec hormirep until achieving a smooth surface. Water leaks and fissures should be opened up, forming straight edges, to a minimum width of 2 cm. Then plug them with weber.tec imperstop. Always apply on perfectly smooth substrates, with no cracks or irregularities. Eliminate any irregularities that may impair the application of the product or which may give rise to considerable variations in thickness. Always treat special points (angles, corners...) in an appropriate way. At angles and corners, make a groove with straight edges, set a tight joint in place sealed with weber flex P100 and make a half-round with weber.tec hormiplus or weber.tec hormirep. New concrete must be stabilized (28 days). Always moisten the substrate before application, especially when this is absorbent or rather warm, and apply when the surface has taken on a matt appearance. |
| Method of Use | <div style="display: flex;"> <div style="flex: 1;">    </div> <div style="flex: 2; padding-left: 10px;"> <p>Pour the contents of the pot (component B) into a clean container and add the contents of the bag of powder (part A), while stirring the mix.</p> <p>Stir the mix with a blender at low speed (500 rpm) so as to obtain a homogeneous paste, taking care that bubbles are not formed in the mix.</p> <p>Apply the mix with a spatula to a maximum thickness of 2 mm per layer. Apply the second coat of product when the first one has already hardened before (after around 4 hours).</p> </div> </div> |
| Details of application | <ul style="list-style-type: none"> In areas where there are fissures or particularly unstable structures, such as balconies, cracked areas, substrates subject to slight movement and on half-rounds, it is advisable to lay an anti-alkaline mesh (4x4 mm) in sandwich form between layer and layer of weber.tec imperflex 2C. The mesh should not be visible on the surface. |

- Keep a watch on the product curing process during the setting stage, spraying water over its surface if necessary.
- When over 4 days have passed, the resultant surface may be covered with ceramic tiles using **weber.col flex range** flexible adhesive mortars and **weber.color range** deformable joint mortar.

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| Technical Characteristics | General use characteristics | |
| | Paste weight ratio (powder:liquid) | 3:1 |
| | Storage | 12 months |
| | Coverage per 32 kg pack (bag and pot) | 20.8 m ² and mm thick |
| | Paste consumption | 1.6 kg/m ² and mm thick |
| | Additional use characteristics | |
| | Paste life (pot life) | 50 minutes |
| | Number of layers | minimum 2 layers |
| | Thickness per layer | 1-2 mm |
| | Final application thickness | minimum 2 mm |
| | Waiting time between layers | 4 - 6 hours |
| | Waiting time for pedestrian traffic | 24 - 48 hours |
| | Waiting time for covering with ceramic | 4 - 5 days |
| | Waiting time for earth filling | 10 days |
| | Final performance | |
| | Maximum powder grain size | 0.4 mm |
| | Powder density | 1.45 kg/l |
| | Solid powder residue at 450°C | 99% |
| | Dry liquid residue at 105°C | 50% |
| | Liquid pH | 8 |
| | Liquid density | 1.05 kg/l |
| | Paste pH | 12 |
| | Paste density | 1.65 kg/l |
| | Adherence on concrete | ≥ 1 N/mm ² |
| | Resistance to water under pressure | 2 atm |
| | Resistance to crack propagation | ≥ 0.75 mm (according to UNE EN 14891) |
| | Resistance to initial traction adherence | ≥ 0.5 N/mm ² (according to UNE EN 14891) |
| | Resistance to traction adherence after immersion | ≥ 0.5 N/mm ² (according to UNE EN 14891) |
| | Resistance to traction adherence after thermal ageing | ≥ 0.5 N/mm ² (according to UNE EN 14891) |
| | Resistance to traction adherence after freeze-thaw cycles | ≥ 0.5 N/mm ² (according to UNE EN 14891) |
| | Resistance to traction adherence after immersion in lime water | ≥ 0.5 N/mm ² (according to UNE EN 14891) |
| | Leak tightness | Without penetration (according to UNE EN 14891) |
| | Resistance to water under backpressure | 1.5 atm |
| | <p>These values have been determined in the laboratory in a controlled environment and may vary significantly depending on the on-site conditions.</p> <p>The times have been calculated for a temperature of 22°C and a relative humidity of 50% and they may be lengthened in conditions of low temperature and high relative humidity values, or else they may be shortened at high temperatures.</p> | |

Product Presentation



Component A Presentation

Bag, 25 kg
Pallets, 1500 kg (60 bags)

Colour

Grey powder

Component B Presentation

Drum, 8.3 kg
Pallets, 498 kg (60 drums)

Colour

White-coloured liquid

Coverage

1.6 kg/m² and mm of thickness

Storage

12 months from the date of manufacture, in the original pack, sealed and protected from damp.

Certifications

Suitable for contact with drinking water: in accordance with Ministerial Decree 174/2004 as per the certificate issued by the ARPA Reggio Emilia Provincial Section



EN 1504-2
Product for surface protection
– protection coating against the risk of
water penetration – moisture control



EN 14891-2012
Liquid sealing membranes for
use under ceramic tiling

Sistema de gestión
certificado de acuerdo
a la norma ISO 9001



Legal Notes

- Our instructions are given according to the best of our knowledge, but they do not exempt the customer from his own examination of the product and checking of its suitability for the purpose intended.
- **Saint-Gobain Weber is** not responsible for errors arising during application of the product in environments different from those specified in the document, or for errors stemming from unsuitable application conditions or omission of the recommendations for use.