

Low-viscosity, penetrating sealer
for concrete and masonry

weber.tec acrylic sealer

hardac acrylic sealer



Uses

- Protects concrete and masonry substrates from abrasion and water penetration
- Consolidates floor surfaces

Suitable for the following surfaces:

- Concrete floors
- Floor screeds
- Brickwork
- Masonry
- Reinforced concrete
- Car Parks
- Pavements

Constraints

Do not apply **weber.tec acrylic sealer** to **weber.cem fairing coat**.

Due to the possible risk of solvent retention resulting in the emission of fumes, this product must not be applied in confined areas or areas without adequate ventilation. If in doubt, consult **Weber's** Technical Department. Over-application of the sealer may give a darker appearance to the concrete.

About this product

weber.tec acrylic sealer is a low-viscosity, colourless, penetrating sealer. The product is based on a pure acrylic resin in aromatic solvents. The concept is to achieve an in-surface seal with no material build-up. For severely exposed surfaces, one coat of **weber.tec aquapel WR** prior to 2 coats of **weber.tec acrylic sealer** is recommended.

Technical data

Abrasion resistance

Concrete surfaces that are particularly liable to abrasion, such as factory and warehouse floors, spillway aprons and concrete carriageways, will benefit greatly from a coating of **weber.tec acrylic sealer** over conventional types of surface hardener. Abrasion tests on different quality concrete mixes have given the following results:

Water/cement ratio of concrete mix	Depth of abrasion (mm) C & CA Abrasion Machine (15 minute cycle)		
	Control: no surface treatment	2 coats 20% sodium silicate solution	2 coats weber.tec acrylic sealer
0.65	1.18	0.89	0.26
0.52	0.78	0.51	0.12
0.44	0.54	0.40	0.08

* C & CA Abrasion machine, ref R Chaplin (unpublished work).

Test results from Sadegzadeh and Kettle, Aston University. *Concrete*, May 1987.

Features and benefits

- ▲ Single component – no mixing
- ▲ Excellent abrasion resistance
- ▲ Can be used internally and externally
- ▲ Improved chemical resistance
- ▲ Reduces permeability of substrate to water and salt solutions in mist and liquid form and reduces water ingress when used with **weber.tec aquapel WR**
- ▲ Ease of application – eliminates dusting
- ▲ Unaffected by water, oil and many common chemicals
- ▲ Complies with EU regulations for reduced VOC

EU VOC regulations 2008

EU limit for weber.tec acrylic sealer (cat A/h): 750 g/l (2007)/750 g/l (2010). **weber.tec acrylic sealer** contains <750 g/l VOC.

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Preparation

All surfaces must be clean, dry, sound and free from oil contamination before the sealer is applied. Concrete should be at least 14 days old before application and all traces of laitance, shutter release or curing membrane should be removed.

The moisture content must not exceed 6% when tested with a Protimeter or have a relative humidity at the slab surface above 75% when tested with a hygrometer.

Old, weathered surfaces should be wire brushed to remove lichen, dust and any loose or flaky material. For large areas water jetting or grit blasting may be more effective.

After applying water allow at least 7 days of dry weather and make good all cracks and spalled surfaces before applying the sealer.

Application

Apply evenly by brush or non-atomising spray. Do not over apply. Brush out any runs which may occur.

After about 20 minutes the material should have soaked into the surface. Further coats should then be applied until no more material is absorbed.

Allow 2 – 3 hour intervals between coats. Avoid over-treating as this will give a glazed effect.

Two coats are normally sufficient although 3 coats may be needed on very porous surfaces.

Ensure application areas are well ventilated.

Note

weber.tec acrylic sealer ought not be used as a final finish on decorative concrete. This material will provide a protective seal to most types of concrete. It works by being absorbed into the concrete surface and fills the surface pores and capillaries.

But concrete surfaces are rarely uniform and will exhibit differential absorption, i.e. some areas will readily absorb the sealer while adjacent areas, that may be denser, may leave a glazed sheen on the surface. The overall appearance of the concrete after application of the sealer may therefore be patchy which is a function of the concrete surface and not a fault of the sealer.

In addition, the sealer may enhance imperfections or bring out chemical impurities when used on concretes with additives.

Nevertheless, **weber.tec acrylic sealer** is an excellent functional product that will dustproof, consolidate and weatherproof concrete surfaces.

Cleaning

Clean all brushes and tools with **weber.tec solvent 5** immediately after use.

Packaging

weber.tec acrylic sealer is packed in 5 litre, 25 litre and 200 litre non-returnable containers.

Yield

Approximate coverage is 8 – 16m² per litre per coat depending on the porosity of the surface.

Storage and shelf life

Minimum shelf life is 12 months. Replace lid immediately after use. Once opened, use the material within 2 weeks. Store in a cool, dry place.

Health and safety

Contains solvents.

Do not apply with an atomising spray gun or in confined spaces. Areas must be well ventilated. **weber.tec acrylic sealer** is flammable – contents have a flash point greater than 32°C. In the event of fire, use foam, dry chemical, carbon dioxide (CO₂) extinguishers or water fog appliances.

Contact with the skin must be avoided – wear rubber gloves and protective clothing. If accidentally spilt on the skin, remove immediately with a dry rag and cleanse with proprietary cleansing creams. If product enters the eye, wash thoroughly with clean water and seek medical advice if discomfort continues.

For further information, please request the Material Safety Data Sheet for this product.

Technical services

Weber's Customer Services Department has a team of experienced advisors available to provide on-site advice both at the specification stage and during application. Detailed specifications can be provided for specific projects or more general works. Site visits and on-site demonstrations can be arranged on request.

Technical helpline

Tel: (01525) 722110
Fax: (01525) 718988

Sales enquiries

Weber products are distributed throughout the UK through selected stockists and distributors. For UK sales enquiries and overseas projects, contact **Weber's** Sales office.

Sales office

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