



Stone Treatment Q&A

What types of stone can the product be applied to?

Sealshield® can be applied on any kind of stone, including; sandstone, limestone, granite, marble and real and artificial slabs.

What does the coating protect from?

The coating protects from: dampness, water penetration, pollution, corrosive salts & minerals, abrasion and scratches, efflorescence, mould, algae, lichen.

How should the product be applied (brush/sprayer)?

The highest area coverage would be achieved by spraying the product. However, it can also be applied by a roller or a brush. One litre would provide approx. 10 square metres of area coverage with spraying.

How many layers of coating should be applied?

Normally, one layer of coating should suffice, providing the surface isn't very porous and/or very absorbent. Otherwise, two coatings are recommended.

Are there surfaces that should be avoided?

Because the material bonds with the surface, it should not be used on glass. If using near windows, make sure you cover the glass beforehand.

Should the product be diluted with water before application?

The product does not normally require dilution. However, if the surface it is applied to is very absorbent, you may wish to apply it in two layers – the first one diluted with 30% water, and the second layer undiluted.

What recognised standards does the product adhere to?

- 1) UNE-EN1504-2:2005 Part 2: Surface protection systems for concrete
- 2) Measurement of bond strength by pull-off, EN 1542
- 3) Determination of water-vapour transmission properties, EN ISO 7783
- 4) Determination of liquid water permeability, EN 1062-3
- 5) Abrasion resistance (Taber), EN ISO 5470-1
- 6) Abrasion resistance, ASTM D4060
- 7) Total absorption, ASTM C97
- 8) Determination of resistance to salt crystallisation, EN 12730-1999

Does the coating strengthen the stone?

Yes! The Sealshield® becomes an integral part of the surface and strengthens it against crumbling, scratches and abrasions.



Concrete Treatment Q&A

What types of concrete products can the product be applied on?

The product can be applied to any type of concrete, such as exposed concrete, concrete floors, terrazzo, granolite and even RAAC. Basically, any mineral infrastructure material that needs curing, protection & strengthening would benefit from its application.

What does the coating protect from?

The coating protects from: dampness, water penetration, pollution (e.g smoke stains), corrosive salts & minerals, abrasion and scratches, efflorescence, mould, algae, lichen. In addition, the product provides the treated area with strength against disintegration and is particularly suitable for strengthening the surface and the inside of weak structures, and preventing their weakening in the future.

Is it possible to apply anything on top of the material?

Yes, you can apply a layer of plaster, tiles, stone, insulation membrane, paint etc. You will not need to use a primer between, as the material also serves as a primer!

How should the product be applied?

The highest area coverage would be achieved by spraying the product. One litre would provide approx. 10 square metres of area coverage. However, it can also be applied by a roller or a brush.

How many layers of coating should be applied?

Normally, one layer of coating should suffice, providing the surface isn't very porous and/or very absorbent. Otherwise, two coatings are recommended.

Should the product be diluted with water before application?

The product does not normally require dilution. However, if the surface it is applied to is very absorbent, you may wish to apply it in two layers – the first one diluted with 30% water, and the second layer undiluted.

What tests were carried out to ensure the durability & strength of the coating?

- UNE-EN1504-2:2005 Part 2: Surface protection systems for concrete
- Measurement of bond strength by pull-off, EN 1542
- Determination of water-vapour transmission properties, EN ISO 7783
- Determination of liquid water permeability, EN 1062-3
- Abrasion resistance (Taber), EN ISO 5470-1
- Abrasion resistance, ASTM D4060
- Total absorption, ASTM C97
- Determination of resistance to salt crystallisation, EN 12730-1999



Concrete Treatment Q&A

Does the coating strengthen the surface?

Yes, it does! The product penetrates the surface of the concrete and creates an impervious, integral layer on the surface. Once it dries, the coating provides not just a seal, but also strengthens it and make it resistant to abrasion. Sealshield® allows the treated surface to still able to 'breathe' after the coating has set.

Can the product be applied indoors and outdoors?

Absolutely! The product can be used to the same effect both indoors and outdoors.

If I wish to also paint the surface - do I apply the product on a bare surface first, or should I paint the surface first?

Apply Sealshield® first and then paint over it. No primer is required prior to painting as the product also serves as a primer!

Are there surfaces that should be avoided?

Because the material bonds with the surface, it should not be used on glass.
If using near windows, make sure you cover the glass beforehand.

Do I need to apply a primer also?

No need- the material also serves as a primer!

How long does the coat take to dry?

On a warm & dry day it should be dry in approx. 30 minutes. For full curing of a concrete casting, allow 24 hours.

If used outdoors, is it required to wait for a dry day?

No! Just don't apply the material when it is wet and windy as it would disperse before touching the surface. Wait for a lull in the rain and then apply it. No need to wait till the surface dries before application.

In other words, it can be used year-round!



Wood Treatment Q&A

How should the product be applied?

The highest area coverage would be achieved by spraying the product. One litre would provide approx. 10 square metres of area coverage. However, it can also be applied by a roller or a brush.

How many layers of coating should be applied?

Normally, one layer of coating should suffice.

Are there surfaces that should be avoided?

Because the material bonds with the surface, it should not be used on glass. If using near windows, make sure you cover the glass beforehand.

What tests were carried out to ensure the durability & strength of the coating?

- Determination of water-vapour transmission properties, EN ISO 7783
- Determination of liquid water permeability, EN 1062-3
- Abrasion resistance (Taber), EN ISO 5470-1
- Abrasion resistance, ASTM D4060

What types of wood can the product be applied on?

The product can be applied to any type of untreated wood and timber.

Can I paint over the Sealshield®?

Yes, just allow it to dry first and then apply a coat of paint. Once the paint dries, you can apply a coat of Sealshield® on top, which will prevent it from flaking in the future.