

faceal – the new generation of products

can be used in many ways – easy protection



faceal surface enhancement – protection, easy care and slip resistance

The new *faceal* product generation offers optimal long-term solutions for most structural substrates ranging from oil and water repellent impregnation against soiling of floors, walls and roofs through the improvement of slip resistance up to protection against the growth of moss and algae.

The PSS Interservice Group has a presence throughout Europe and beyond through its own affiliated companies and through distributors and specialist partners and will care for your surfaces using its own application departments. This guarantees professional advice and service at all stages.

faceal oleo – the oil and wa

For absorbent surfaces

Most materials used in buildings and floors are left untreated, and have a porous, absorbent surface. As a rule, they quickly spoil. Grease, oil and water-based pollution, as well as chewing gum, can no longer be removed from the surface, or only removed with great difficulty and risk of damage.

The cause is simple. The surface tension of the surface is higher than that of the fluid contaminant resulting in the fluid being actively drawn into the capillaries.



faceal oleo – the innovative surface impregnation

faceal oleo bonds to the walls of the capillaries and pores of the substrate forming a dirt-resistant surface having oil and water repellent properties. Typical areas of use are walls and roofs.

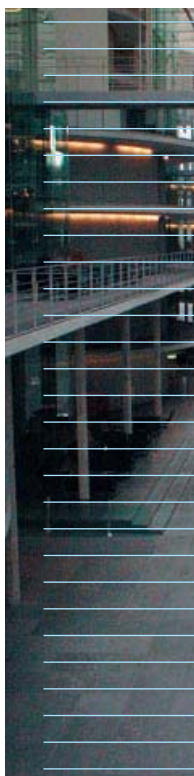
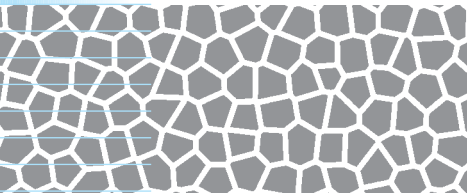


faceal oleo HD – especially for floors

faceal oleo HD (heavy duty) is specifically used for the impregnation of floors. *faceal oleo HD* not only protects the pores, but also permanently protects the outer surfaces, even under the effects of mechanical abrasion.

Pigmented – colourful design and protection in one

Pigmented versions of both *faceal oleo* and *faceal oleo HD* are available in all standard RAL colours. Facades, floors and other surfaces can be decorated and benefit from the protective characteristics of *faceal oleo* impregnation in a single application.



Water repellent impregnation



The *faceal oleo* principle of operation

faceal oleo and *faceal oleo HD* are solvent-free impregnations which penetrate into the capillaries and pores of a substrate.

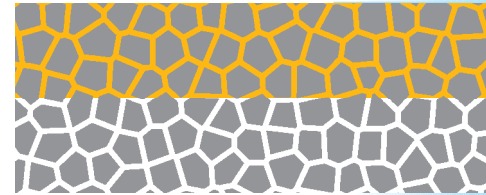
Due to opposite electrical polarities, the positively charged "docking arms" of the two *faceal* products bond strongly to the negatively charged surface.

As a result the surface tension of the capillary and pore walls is greatly reduced. The surface tension then lies well below that of the soiling liquids which can no longer penetrate into the substrate and are, in fact, actively repelled. In this way the cleaning characteristics of the impregnated surface are permanently improved.

Depending on the area being treated, either *faceal oleo* impregnation or *faceal oleo HD* (heavy duty) impregnation for floors will be used. The latter protects not only the pores but also permanently protects the outer surface against mechanical abrasion.

Technology: Solvent-free impregnation based on fluorinated acrylic copolymers.

Mode of actions: Oil, grease and water repellent.



water and oil repellent

Examples of surface tension:

Natural stone:	approx. 90 – 95 mN/m
Building stone:	approx. 85 – 90 mN/m
Concrete:	approx. 80 – 85 mN/m
Granite:	approx. 70 – 75 mN/m
Water:	approx. 62 mN/m
Solvent:	approx. 20 – 25 mN/m
<i>faceal oleo</i> :	approx. 10 – 15 mN/m
<i>faceal oleo HD</i> :	approx. 5 – 10 mN/m

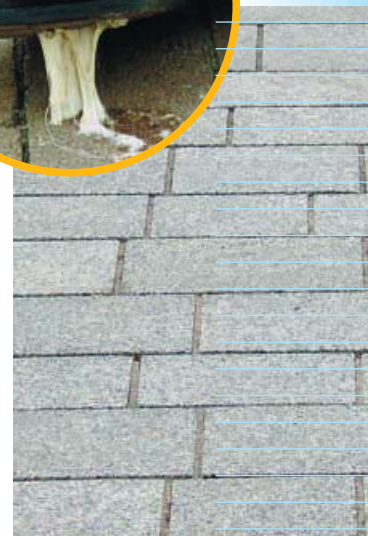


Effective and lasting preventive measure

- *faceal oleo* and *faceal oleo HD* impregnations permanently protect buildings and floors against soiling, caused by man and by Nature, and against pollution from the air.
- *faceal oleo* makes cleaning easier and reduces its costs. On vertical surfaces, the impregnation causes an effective self-cleaning action when it rains.
- Optically, the two *faceal oleo* products have a neutral effect and are vapour permeable (Sd value: 0.09 m) and UV resistant.



PSS micro-fibre products are particularly suitable for the cleaning of *faceal* impregnated surfaces.



Walking the floor in safety



faceal step safe – slip-resistant and yet easy to clean

faceal step safe improves the anti-slip character of mineral flooring materials – without damaging them.

Conventional anti-slip agents use hydrofluoric acid. This etches away silicate crystals creating pits in the surface to produce a suction cup effect.

The disadvantage is the pits quickly become clogged with dirt and are not only difficult to clean but also impair the optical appearance of the surface.



The mechanism is quite different with

faceal step safe which modifies the silicate molecules at the surface so that they protrude. No pits are formed. The advantage is that the floor is slip-resistant but still easy to clean.



Preventive solutions



faceal algae safe – surfaces free from algae and moss

faceal algae safe destroys algae, moss and similar stains on the surface, and then continues with a preventive action for many years.



faceal – compatible solutions

The *faceal* products can be used in combination. In this way a solution can be found meeting the needs of the client and the surface. For example:

- The slip resistance of a floor can be improved with *faceal step safe* and the surface then protected against soiling with *faceal oleo HD*.
- A facade can be treated against moss using *faceal algae safe* and then impregnated against soiling and air pollution using *faceal oleo*.



WORKING WITH NATURE

PSS INTERSERVICE U.K. Limited

Unit K2, Prospect Court
Prospect Close, Lowmoor Business Park
Kirby-in-Ashfield · Notts NG17 7LF, UK
Tel.: (01623) 750 222 · Fax: (01623) 723 222
e-mail: info@pss-technology.co.uk
Internet: <http://www.pss-technology.co.uk>

PSS INTERSERVICE AG

Headoffice of the PSS INTERSERVICE-Group
Rebbergstraße 10,
POB
CH-8954 Geroldswil (Switzerland)
Tel.: ++41 01 749 24 24 · Fax: ++41 01 749 24 25
e-mail: info@pss-technology.com
Internet: <http://www.pss-technology.com>