



## FACEAL OLEO HD®

**PRODUCT DESCRIPTION:** FACEAL OLEO HD® is the 'heavy duty' version of FACEAL OLEO®, specially developed for surfaces which are subject to abrasion such as floors and stairs. FACEAL OLEO HD® provides a preventive impregnation against the penetration of oil, grease, water and urine, and facilitates the removal of chewing gum, moss, algae, lichens and ice. Additionally, FACEAL OLEO HD is a RAL-GZ 841/2 certified graffiti protection system. Graffiti is easily removed with AR graffiti removers without damaging the protection.

**PROPERTIES:** FACEAL OLEO HD® is based on the latest nanotechnology using a functionally-substituted fluorinated acrylic copolymer in an aqueous phase. It is solvent-free, non-toxic and non-flammable. Thanks to the organized structure of its active molecules on the surface of the pores the surface tension is substantially reduced. Oil/fat and water based contaminations and dirt cannot adhere anymore properly and are thus easy to remove. FACEAL OLEO HD® enters into a permanent compound with the substrate. The appearance and structure of the surface and its ability to breathe are preserved) Sd-value according to DIN 52615 mod.: no measurable change).

**APPLICATION AREAS:** FACEAL OLEO HD® may be applied to porous substrates used in construction, indoors and outdoors on roofs, facades and floors. Examples are concrete, natural and artificial stones, clinker, brick, tile, terracotta, renders, mortar, plaster and asphalt. Specially suited for mineral substrates with small pores. Painted surfaces must be absorbent. For alkaline substrates such as for example freshly poured concrete FACEAL OLEO NC® should be used.

FACEAL OLEO HD® provides a preventive impregnation for construction substrates against all kinds of contamination, both water and oil-based. It prevents freeze/thaw damage, protects against UV radiation and facilitates the removal of chewing-gum, moss, algae and lichens. On vertical surfaces, much contamination (other than graffiti) is removed by rainfall. The original appearance of the protected surface is preserved on a long term basis.

**SUBSTRATE CONDITION:** FACEAL OLEO HD® can be applied to dry or moist (but not saturated) substrates. Preliminary cleaning to remove surface contamination is essential.

FACEAL OLEO HD® cannot satisfactorily penetrate any surface which has already been sealed or made hydrophobic, either in situ or during manufacture. Please consult PSS if this is suspected.

**APPLICATION:** FACEAL OLEO HD® may be applied by airless spray, low pressure atomisation or, for small areas, by brushing to saturation. FACEAL OLEO HD® dries naturally in about 24 hours and reaches full effectiveness after 7 days.

Once dry, FACEAL OLEO HD® becomes virtually impossible to remove. Areas to be left untreated must be covered carefully and the tools and equipment cleaned, before the product dries, by rinsing well with water. Surplus product on the surface must be fully removed in order to obtain optimum performance. This is of particular importance for application on horizontal surfaces.

FACEAL OLEO HD® cannot be applied in rain or frost.

Detailed application instructions are available on request.

**CONSUMPTION:** The values given are for guidance only. Tests should be conducted on the actual surface to be treated.

<b>Substrate</b>	litres / m <sup>2</sup>
Limestone	up to 1.00
Tufa	up to 0.80
Lime cast (P1 and P2)	up to 0.40
Cement facing (P3)	up to 0.30
Engineering concrete	0.20 - 0.30
Concrete roof tile	0.17 - 0.25
Terracotta	0.15 - 0.25
Clay roofing tile	up to 0.15
Artificial stone, natural sandstone	0.13 - 0.30
Polished natural stone e.g. marble	0.10 - 0.20
Granite	0.05 - 0.15

**STORAGE:** May not be stored at temperatures below 5°C or above 40°C. The shelf life of unopened containers is at least 2 years. Use opened containers as soon as possible. Avoid pouring unused product back into the storage container.

PLEASE NOTE : As is the case with all impregnations Faceal Oleo HD cannot protect calcareous subsoil such as concrete and concrete based stones, Terrazzo, etc. against etching caused by acid based liquids. We recommend therefore for these surfaces to clean and remove spills of such liquids immediately in order to reduce the risk of etching. This concerns only calcareous subsoil!

After a period in storage, some light flocculation of the product may become apparent. This is reversible by shaking or stirring the container and does not reduce effectiveness.

*The information given in this technical data sheet is based upon our present knowledge and experience. Because of the wide variety of possible influences during processing and in the use of our products, it is the responsibility of the processor to carry out the necessary tests and trials on site. No legally binding guarantees for certain properties or the suitability for a particular application should be inferred from the technical data sheet. Existing laws and regulations must be complied with by users of our products.*

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