

E A M

Enterprise Asset Management for Minera Skifer - Oppdal, Offerdal and Otta

Producer:	Minera Skifer AS
Product:	Minera Skifer - Oppdal, Offerdal og Otta for floors, stairs, wall cladding and facades.
Dimensions:	All dimensions for purposes mentioned above.
Edges:	Sawn, broken, raw broken or natural.
Surfaces:	Oppdal: Natural, antique brushed, silk brushed and honed. Offerdal: Natural and honed. Otta: Natural, brushed or honed.



OPPDAL



OFFERDAL



OTTA

ROCK TYPES

The **Oppdal-** and **Offerdal quartzitic flagstones** are metamorphic rocks originated from sandstones. Their mineral content is dominated by quartz, feldspars and micas. The rocks are characterized by a plane parallel thin continuous foliation, a structure that enables the rock to be cleaved into slabs with a so called natural cleft surface.

The **Otta phyllite** is a metamorphic rock derived from mainly clayeous deposits. Main minerals comprise quartz, feldspars and micas with minor minerals garnet and amphibole. There are also some trace iron oxides and sulphides to be found in the rock. Especially the sulphides are responsive to its environment, and will alter or rust, leaving a patina on both natural cleaved and machine worked surfaces.

ALTERNATIVE PRODUCTS FOR PROTECTIVE TREATMENT, REGULAR CLEANING AND REMOVAL OF OIL AND GREASE STAINS

For regular cleaning, protective treatment and stain removal products designed for natural stone must be used. As protective treatment a natural soap with a high content of fat, acrylic based or on the basis of silicone can be used. Manufacturers like Akemi, Steinfix, Fila and Surfapore have products suitable for natural stone. For removal of stains different products can be used depending on what kind of stain shall be removed. Manufacturers, dealers and Minera Skifer can advise.

ESTABLISHING - FIRST TREATMENT

Concrete film from installation must be removed immediately after installation. Spillage of cement based products on the surface of the stone must be avoided. If concrete film or

stubborn deposits is not removed within a day or two after installation, a concrete remover must be used. Cement based joints should be moistened with water before applying the cement remover. It is important to clean well with water when the process is finished. Follow instruction from manufacturer.

IMPREGNATION OF FLOORS

Use of impregnation makes the regular cleaning easier and gives the surface a grease- and oilrepellant effect. Even if the stone is impregnated some ingredients can penetrate into the surface if it is not being removed within reasonable time. The stone must be cleaned, rinsed with clean water and it must be dry before applying the impregnation. Under floor heating must be switched off and direct sunshine must be avoided. The whole surface must be kept wet as long time as recommended by the producer. Any excess which has not been absorbed by the stone has to be removed with a suitable cloth. The water repellant effect develops after some hours. Follow instructions from manufacturer to determine when the floor can be used.

GRAFFITI PROTECTION AND GRAFFITI REMOVER

Walls and facades can be treated with graffiti protection. There are also products available for removal of graffiti.

MAINTENANCE - REGULAR CLEANING

For regular cleaning soaps intended for the actual impregnation shall be used. Regular cleaning shall be done with a mop and not with a machine with brushes. A stone cleaner can be used for periodic maintenance. Periodic maintenance can be done once or several times a year. The floor is scrubbed with a high concentrated stone cleaner. After rinse thoroughly with water and drying new impregnation can be applied again.