

STEEL GREY



ORIGIN

India

PETROGRAPHIC CLASSIFICATION

Magmatic rocks - intrusive rock - Syenite (EN 12670)

APPEARANCE

Dark gray blue granite with occasionally dark gray to black spots.

ALTERNATIVE NAMES

USAGE

GENERAL

The stone and surface finish should be selected depending on the intended use.

USAGE CLASS

Class 5: individual homes and buildings with intense collective use.

APPLICATIONS

Internal Applications

- Inside Paving
- Wall cladding
- Worktops
- Decorative cut-to-size
- Stairs
- Shower

Outdoor Applications

- Patio
- Facade cladding
- Gravestones and monuments

RECOMMENDATIONS

TECHNICAL CHARACTERISTICS

HARDNESS (MOHS)



6-7

WEIGHT



2826±13 kg/m³

EN 1936

WATER ABSORPTION



NPD*

POROSITY



0,4±0 %

EN 1936

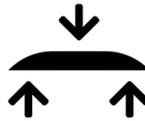
COMPRESSIVE STRENGTH



163,5±12 MPa E- = 150,9 MPa

EN 1926

FLEXURAL STRENGTH



15,7±2,96 MPa E- = 12,6 MPa

EN 12371

WEAR RESISTANCE



16,5 mm

EN 14157

FROST RESISTANCE



NPD*

EN 12371

NPD = no data available

STEEL GREY

OBSERVATIONS AND RECOMMENDATIONS

- Shades of color and / or granulometry may be present between the different batches and even within the same batch.
- Concentrations of minerals and / or veins may appear. These were created during the formation of the stone and are not technical defects. They are therefore part of the material.
- At the site of darker mineral concentrations, the surface may appear slightly duller in backlighting.
- It should be considered that the arrangement of certain minerals creates a focus on the slabs and tiles. A "turned" plate is particularly disturbing on larger surfaces. This must be taken into account when installing.
- This natural stone shows a different refraction of light on certain (twisted) groups of crystals when backlight. This gives the impression of spots. These are inherent to the material.
- Small holes and / or microcracks can sometimes appear in this natural stone.

INSTALLATION

General

General procedures of good workmanship should be followed when laying the tiles (cfr. BBRI: Belgian Building & Research Institute ref. 137 Guide for Installing - Natural Stone and ref. 213).

Immediately after delivery, the material will be stored indoors or at least protected from rain, wind and frost. If slabs are damaged or broken, the supplier must be informed before installation. They will then be used, as far as possible, against walls or for certain cuts.

Before installation, the installer will examine the slabs (previously dried) with the client and / or the architect to check for any deviations from the samples. The slabs will be carefully mixed before laying, in order to obtain a harmonious distribution of colors and various shades of the material.

Important: "Installation means acceptance!", It means that AFTER the installation, no more claims will be possible, except for hidden defects.

Installation system

Flooring Inside

The tiles will be laid on a dry screed using a flex glue such as Beltraflex or a ready-to-use white mortar for natural stones. In the case of installation with underfloor heating, it is advisable to strictly follow the supplier's instructions (see also the brochures of the BBRI - TI 179 and 189).

Exterieur Flooring

The laying is done on a draining sub-layer. Avoid laying on concrete, because the water stagnates more easily on the surface and the terrace may freeze in winter. If you still opt for a concrete structure, apply a draining mat to the concrete before laying.

Joint Width

MAINTENANCE

GENERAL

For more information on maintenance, see the document entitled "Care instructions" (available from us). We recommend that you follow these instructions so as not to damage the stone.

The products used must be suitable for the materials. Follow the manufacturer's advice.

In general, it must be stated that no moisture may be exaggerated when maintaining natural stone!

FIRST CLEANING

First cleaning with a suitable cleaning agent (eg Lithofin Multi-Cleaner) applicable one week after the rejoining of the floor. If a cement veil should appear, use a product to remove the cement (eg: Lithofin Cement remover - attention: contains acid).

REGULAR MAINTENANCE

Use for regular maintenance a product suitable for natural stone, such as Lithofin Wash & Clean.

PROTECTION

When the floor is completely dry we strongly recommend to protect sensitive areas (kitchen, bathroom, etc.) with a suitable sealer (e.g. Lithofin MN Stain Stop ECO).

RECOMMENDATIONS