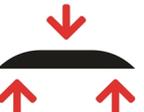


BLACK SLATE

	Origin	Pitangui quarry; Minas Gerais; Brazil
	Petrographic classification	Metamorphic rock - foliated rocks - Schist (EN 12670)
	Appearance	Slate with a basic grey-black colour with a natural, but relatively smooth riven surface
	Alternative names	Alina Black; Black Panther; Brazilian Ardoise; Braziliaanse Leisteen; Montauk Black; Mustang; Mustang Black

Usage

General	<p>The stone and surface finish should be selected depending on the intended use.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: black; color: white; text-align: center; padding: 5px;">Internal Applications</td> <td style="background-color: black; color: white; text-align: center; padding: 5px;">Outdoor Applications</td> </tr> <tr> <td style="padding: 5px;"> <ul style="list-style-type: none"> - Inside Paving - Wall cladding - Worktops - Decorative cut-to-size - Stairs - Shower - Swimming pool surround </td> <td style="padding: 5px;"> <ul style="list-style-type: none"> - Patio - Swimming pool surround </td> </tr> </table>		Internal Applications	Outdoor Applications	<ul style="list-style-type: none"> - Inside Paving - Wall cladding - Worktops - Decorative cut-to-size - Stairs - Shower - Swimming pool surround 	<ul style="list-style-type: none"> - Patio - Swimming pool surround
Internal Applications			Outdoor Applications			
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Applications						
Recommendations						

Hardness (Mohs)	Weight	Water absorption	Porosity
			
NPD*	2694 kg/m ³	NPD*	0,9 %
	EN 1936		EN 1936
Compressive strength	Flexural strength	Wear resistance	FROST RESISTANCE
			
NPD*	20,1 ± 7 MPa E- = 9,2 MPa	26,5 mm	frost resistant
	EN 12372	EN 14157	

NPD*: geen technische gegevens beschikbaar - no technical data available - pas d' informations techniques disponibles

BLACK SLATE

Observations and recommendations

- Shades of color and / or granulometry may be present between the different batches and even within the same batch.
 - This natural stone is a layered rock, which causes serrated edges.
 - This material can not be polished because of its geological composition. Other finishes are possible, the surface then gets a different structure, design or color.
 - This material does not meet the dimensional characteristics specified in EN 12058. Please note larger tolerances.
 - After installation, chips can appear on the upper surface which loose after cleaning several times. Once on the hard core of the material, this phenomenon stops. This can lead to pieces with a different color / shade.
- This material is very resistant to wear, but not to scratches. However, superficial scratches will patinate quickly with time and maintenance.

Installation

General
Installation system
Joint Width

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.

Flooring Inside

The tiles are installed with a flexible adhesive (eg BELTRAFLEX) on a dry screed. When installing in combination with underfloor heating, the supplier's instructions must be strictly followed (see also the brochure on this subject from the BBRI-TI 179 and 189).

5 - 8 mm

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.

5 - 10 mm

Maintenance

General
First cleaning
Regular maintenance
Protection
Recommendations

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 with a suitable cleaning agent (eg Lithofin Multi-Cleaner - note: does not contain acid) applicable one week after rejoining the floor. If a cement veil should appear, use the same product combined with a single-disc machine.

Use for regular maintenance a product suitable for natural stone, such as Lithofin Wash & Clean. In order to better protect the surface finish, we advise to treat it periodically (1 to 2 times per month) with a nourishing product for natural stone, such as Lithofin Care-Sheen.

When the floor is completely dry sensitive areas (kitchen, bathroom, etc.) can be protected with a suitable sealer (e.g. Lithofin Stain Stop 'W')

The surface may be darkened using an impregnating product that enhances the color, eg Lithofin Fleckstop PLUS.