

VINH BLUE

	Origin	Vietnam
	Petrographic classification	Metamorphic rock - non foliated rocks - Marble (EN 12670)
	Appearance	Crystalline natural stone with a grey-blue colour. The individual crystals are small, but still visible with the naked eye.
	Alternative names	

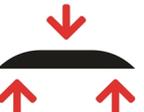
Usage

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

Internal Applications	Outdoor Applications
<ul style="list-style-type: none"> - Inside Paving - Swimming pool surround 	<ul style="list-style-type: none"> - Patio - Drive ways - Swimming pool surround

- Used in outdoor applications, this natural stone gets a typical / characteristic light patina.- This material is only available as tiles / cobblestones.

Hardness (Mohs)	Weight	Water absorption	Porosity
			
3-4	2694 kg/m ³	NPD*	0,8 %
	EN 1936		EN 1936

Compressive strength	Flexural strength	Wear resistance	FROST RESISTANCE
			
106,2 MPa E=90,7 MPa	20,6 MPa E=19,9 MPa	23,5 mm	frost resistant
EN 1926	EN 12372	EN 14157	EN 12371

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

Observations and recommendations

<ul style="list-style-type: none"> - 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. - In outdoor applications, this natural stone gets a typical / characteristic lighter patina. - This material does not meet the dimensional characteristics specified in EN 12058. Please note larger tolerances. - Due to the mineralogical composition, this material is not resistant to acids.
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Installation

General
Installation system
Joint Width

<p>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.</p> <p>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.</p> <p>Important: "Installation means acceptance!". It means that AFTER the installation, no more claims will be possible, except for hidden defects.</p>	
Flooring Inside	Exterieur Flooring
<p>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).</p>	<p>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.</p>
<p>3 - 5 mm (sawn edges) 5 - 8 mm (tumbled edges)</p>	<p>4 - 6 mm (sawn edges) 5 à 8 mm (tumbled edges)</p>
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Maintenance

General
First cleaning
Regular maintenance
Protection
Recommendations

<p>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!</p>
<p>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.</p>
<p>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.</p>
<p>When the floor is completely dry we strongly recommend to protect sensitive areas (kitchen, bathroom, etc.) with a suitable sealer (e.g. Lithofin Stain Stop 'W').</p>
<p>Do not use any acid-based products for the maintenance of this natural stone.</p>