





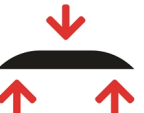




BELGISCHE BLAUWE HARDSTEEN

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|--|------------------------------------|--|
|  | Origin | The Soignies-Ecaussinnes-Neuilles basin; Belgium |
| | Petrographic classification | Sedimentary rocks - biochemical sedimentary rocks - Crinoidic limestone (EN 12670) |
| | Appearance | Grey blue compact crinoidal limestone. Resulting from the accumulation of crinoidal remains that were sealed together by micro-crystalline calcite (black speckled background); therefore intensifying the decorative effect here and there through the presence of white corals and shells. |
| | Alternative names | Belgische Arduin; Petit Granit |

Usage

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|------------------------|---|---|
| General | The stone and surface finish should be selected depending on the intended use. | |
| Applications | Internal Applications | Outdoor Applications |
| Recommendations | <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 - Drive ways - Facade cladding - Gravestones and monuments - Swimming pool surround |
| | <p>- This stone can be used as a kitchen worktop or in shower areas, but is more susceptible to staining and discolouring in these applications. - Used in outdoor applications, this natural stone gets a typical / characteristic light patina.</p> | |

| Hardness (Mohs) | Weight | Water absorption | Porosity |
|---|---|--|---|
|  |  |  |  |
| 3 | 2689 ± 1,5 kg/m ³ | 0,1 % | 0,2 ± 0,0 % |
| | EN 1936 | EN 13755 | EN 1936 |
| Compressive strength | Flexural strength | Wear resistance | FROST RESISTANCE |
|  |  |  |  |
| 157,3 MPa | 15,2 ± 1,2 MPa E- = 12,3 MPa | 20,3 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

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| <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. - Veins and / or fossils may appear due to geological formation. These are not technical defects and they are part of the material. - The stone also contains stylolitic veins that may emerge after some time. This phenomenon is part of the structure of the material and has no influence on the durability of the stone. - In outdoor applications, this natural stone gets a typical / characteristic lighter patina. - Due to the mineralogical composition, this material is not resistant to acids. |
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BELGISCHE BLAUWE HARDSTEEN

Installation

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| General |
| Installation system |
| Joint Width |
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| <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> | | | | | |
|---|---|--|---|--------------------|--|
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="background-color: black; color: white; padding: 5px;">Flooring Inside</th> </tr> <tr> <td style="padding: 10px;"> <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> </td> </tr> </table> | Flooring Inside | <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> | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="background-color: black; color: white; padding: 5px;">Exterieur Flooring</th> </tr> <tr> <td style="padding: 10px;"> <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> </td> </tr> </table> | Exterieur Flooring | <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> |
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| <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

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| General |
| First cleaning |
| Regular maintenance |
| Protection |
| Recommendations |

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| <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 MN BLUE STONE PROTECTOR).</p> |
| <p>Do not use any acid-based products for the maintenance of this natural stone.</p> |