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**TECHNICAL DATA SHEET (TDS)**

**Hydrophilic swelling tape made of sodium bentonite and butyl rubber for
preventive sealing of working joints and as a system component for bentonite mats**

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| **USE** |
| BENTOBAR+ is developed for preventive sealing of working joints against water in concrete and reinforced concrete construction and as a system component for bentonite mats.  |

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| **Description** |
| * BENTOBAR+ is made of high quality butyl rubber and sodium bentonite.
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| * It is available in different sizes and lengths. Standard colors are black and green, but BENTOBAR+ can also be supplied in other colors for larger quantities. A salt variant is available in red.
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| * In contact with water, BENTOBAR+ increases its volume as much as 240% of its original state. For detailed swell test results, we refer to the MFPA certificate, which is available on request
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| **APPLICATION** |
| * Place BENTOBAR+ on a smooth and dust free surface (concrete).
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| * Do not install BENTOBAR+ during heavy rainfall, as it may result in swelling before the concrete has been poured on this strip. Avoid all contact with water before concreting.
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| * BENTOBAR+ is laid between the inside and outside reinforcement.
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| * Respect a minimum concrete cover of 7-8 cm concrete on each side.
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| * Apply an overlap of 5 to 10 cm at the ends of the strip; press this overlap firmly against each other.
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| * BENTOBAR+ can be fixed by gunnailing. For vertical applications, we recommend the use of a wire mesh which is applied over the bentonite strip. Mesh and tape are then fixed also by gunnailing. For detailed information on this mesh, kindly contact our technical department.
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| * Tapes that are damaged; already swollen, or whose geometry has been changed may not be installed.
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| * Protect BENTOBAR+ from moisture and frost when stored.
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| * In salt water environment or in contact with polluted water, we recommend BENTOBAR+ Salt (See separate TDS).
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| **TECHNICAL DATA** |  |
| Property | Value | Documented by |
| Swelling capacity in contact with water | typical 240% | MFPA Leipzig |
| Density | 1,43 g/cm3 | MFPA Leipzig |
| Weight | Approximately 0,65 kg/m | MFPA Leipzig |
| Swelling pressure if swelling is prevented | Approximately 1,8 N/mm2 | MFPA Leipzig |
| Resistance to hydrostatic pressure | Tested up to 4 bar  | MFPA Leipzig |
| Bending radius on the corners  | 50 mm | MFPA Leipzig |
| Installation temperature | 0°-50°C | MFPA Leipzig |
| Odour | none | MFPA Leipzig |

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| **Sizes and packaging** |
| BentobarPlus.jpg IMG_0846_S.jpg |
| * Standard: 20 x 25 mm in lengths of 5 meter.
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| * Packed in cardboard box of 6 x 5 meter. Available in black or green.
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| * Other sizes (20 x 10 mm, 20 x 15 mm) other colors, or different packaging available on request.
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| **Certificates** |
| Detailed reports and certificates available on request at info@bekina-compounds.be |

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| **safety** |
| For full information consult the Material Safety Data Sheet, which is available on request at info@bekina-compounds.be |