

## GOBON 217 BUTYL SEALING TAPE

is a butyl rubber-based sealing tape characterised by its simple application. The doublesided self-adhesive thermoplastic sealing tape is also available as a round profile. **GOBON 217** is characterised by its high quality thanks to its almost unlimited durability and functionality, especially in the automotive sector and in "sustainable construction". It fulfils the evaluation criteria DGNB, LEED, BREEAM and BNB.

### CHARACTERISTICS

**GOBON 217 is characterized by excellent universal properties:**

easy manual application · ready for use straight away · permanently adhesive · permanently sealed · waterproof · odourless solvent- & bitumen-free · noise-insulating · resistant to ageing, weathering, UV and long-term use · water-resistant · self-sealing physiologically harmless · non-shrinking · non-corrosive · plastic · has an insulating effect · bitumen-compatible · high water vapour diffusion impermeability · good adhesion and compatibility with most known materials · when used properly and professionally, EGO Butyl has an almost unlimited service life

### APPLICATION AREAS

**GOBON 217** is suitable for sealing and fixing in the industrial and construction sectors as well as for overlapping and protective sealing tasks without the transmission of mechanical forces on joints, connections, breakthroughs, seams, wrapping and butt joints, as well as for extensive repair tasks both indoors and outdoors. The product can be used as corrosion protection between metal materials or as vibration and noise insulation. Mechanical protection is required in cases where forces are transmitted.

**Areas of application:**

Automotive · Bathroom · Concrete construction · Precast concrete construction · Caravan · Container construction · Roof · Electrical installation · Vehicle construction · Facade · Equipment construction · Interior fittings · Refrigeration technology · Air conditioning technology · Kitchen · Ventilation technology · Metal construction · Furniture construction · Sanitary area · Shipbuilding · Silo technology

### APPLICATION NOTES

The bonding surfaces must be dry, stable, free of dust and de-bonding agents. On porous substrates such as concrete, plaster, etc., adhesion can be increased by pre-treatment with **EGO BUTYLPRIMER PRO** or **EGO BUTYLPRIMER ECO** [solvent-free]. For increased adhesion, please refer to the primer table. The adhesion build-up on the substrate is purely physical and can be improved by pressing or rolling on the substrate and increases again over time. The temperature behaviour is typically thermoplastic, i.e. with increasing temperature, a higher stickiness and softer material consistency is achieved. Especially when it comes to automatic unwinding processes, we recommend a processing temperature of approx. 20°C. **GOBON 217** is self-sealing and bonds very well with itself if you just lightly press on it with your finger. It is only possible to separate it again by cutting. To do this, you must first wet a sharp knife with water. If sufficient pressure is achieved with minimal movement of the surfaces to be bonded, the seal is retained [effect of the flexible seal]. A constant load of pressure on the **GOBON 217** causes it to deform between the sealed surfaces. Pressing together the sealed surfaces guarantees a perfect seal, and balances out any unevenness between the bonded surfaces. Round profiles and higher processing temperatures make it easier to press into the final dimensions, which is ensured thanks to the corresponding spacers. Complete compression of the butyl sealant can be ensured with permanent spacing [e.g. **GOBON 212 WITH CORE, FIX SPACER 2.3 mm**]. Simply dab off butyl residues on the substrates or tools with **GOBON 217**. Impurities that are difficult to dissolve can be removed mechanically, e.g. with a sharp knife moistened with water, and are best dissolved with cleaning petrol.

Compatibility with other building materials is only guaranteed with the EGO products recommended for this.

Our list of material properties provides you with an overview of all the necessary information and a detailed comparison of our EGO butyl products

### NORMS AND TESTS

**GOBON 217 corresponds to the:**

**IVD Instruction Sheets:**

- No. 3-2, 5, 19-1, 19-2, 25, 29, 31, 35

**Compatibility:**

- with bitumen in accordance with DIN EN 1548

**The following tests were achieved by GOBON 217:**

**Certificate of Compliance:**

- for direct contact with food

**Test certificate:**

- for use in clean rooms and RLT systems in accordance with VDI 6022 "Hygienic requirements for ventilation and air-conditioning systems" and in accordance with VDI 2083 "Cleanroom technology"

### SUSTAINABILITY

#### VOC emission according to:

- EMICODE EC1<sup>Plus</sup>
- AgBB
- French VOC Class A+ and CMR-Regulation

#### BMS product verifications:

- LEED Building Design and Construction V4 [2015]
- BNB BN 2015 [quality level 5/5]
- BREEAM International New Construction 2016
- DGNB New Buildings 2018 [quality level 4]

#### Listing in the DGNB Navigator:

- EGO BON 217 is listed in the DGNB Navigator

#### Material requirements for QNG / Quality Seal for Sustainable Buildings:

- Adhesives and sealants in interior rooms incl. TGA according to BNB\_BN\_1.1.6, Annex 1, Item 8 and QNG-313, Items 4.1, 4.2
- Adhesives and sealants for creating the airtightness of the façade in accordance with BNB\_BN\_1.1.6, Annex 1, Item 9 and QNG-313, Item 4.3



\*Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ [très faibles émissions] à C [fortes émissions]

### TECHNICAL DATA

| Properties  | Result   | In accordance with             |
|---|--|--------------------------------|
| Material Basis  | butyl rubber, polyisobutylene [PIB]  |                                |
| Density   | approx. 1,4 g/cm <sup>3</sup>  | DIN EN ISO 1183-1              |
| Application Temperature   | +5 °C to +30 °C  |                                |
| Service Temperature   | -40 °C to +100 °C  |                                |
| Shore Hardness 00   | approx. 45   | DIN EN ISO 868                 |
| Penetration butyl [150g, 23°C, 5sec]                                    | approx. 70 [0.1 mm]* Butyl 30x30mm   | DIN 51580                      |
| Compressive Strength  | > 0,08 N/mm <sup>2</sup>   | LAB-01 [based on NF P30-303]   |
| Peel strength butyl   | approx. 45 N/25mm*   | LAB-06 [based on DIN EN 29862] |
| UV, weather and long-term resistance [after 1000 hours]                 | very good<br>no crack formation<br>no breaking<br>no reduction of the tack | DIN EN ISO 4892-2:2013         |
| UV resistance [after 200 hours of UV radiation]                         | very good<br>no crack formation<br>no breaking<br>no reduction of the tack |                                |
| Bending resistance of butyl [after 100 hrs at +90°C and 5 hrs at -30°C] | No crack formation<br>No breaking  |                                |
| Viscosity   | stable   | DIN EN ISO 7390                |
| Solids Content  | > 99 %   | DIN EN ISO 10563               |
| Ignition Temperature  | > 400 °C   | DIN 51794                      |
| Building material class   | B2, normal flammability<br>Euro class E                                    | DIN 4102<br>EN 13501-1         |

\*Average values, not intended for specification

## EGO BON 217 BUTYL SEALING TAPE

### AVAILABILITY AND STORAGE

|                   |  |
|-------------------|--|
| <b>Color</b>      | grey   |
| <b>Dimensions</b> | on request   |
| <b>Storage</b>    | Rolls can be stored horizontally, dry and protected from dust: <ul style="list-style-type: none"><li>▪ 24 months [at +20°C]</li></ul> Protect against mechanical damage. |

### SAFETY INFORMATION

|   |                                      |
|---|--------------------------------------|
| <b>Complies with</b>                        | Regulation [EC] No 1907/2006 [REACH] |
| <b>Not hazardous according to</b>           | Regulation [EC] No 1272/2008 [CLP]   |
| <b>Not subject to labeling according to</b> | Regulation [EC] No 1272/2008 [CLP]   |
| <b>Safety instructions</b>                  | see SDS                              |
| <b>Disposal instructions</b>                | see SDS                              |

For warnings see EC safety data sheet. The above information is the result of thorough research; previous information is hereby invalidated. Check for yourself whether the product is suitable for your purposes. Our possible liability is limited to the value of our product as such. We cannot accept any liability for indirect damage, in particular for the use or unusability of the product. No one is authorized to make recommendations or assurances on our behalf that go beyond the content of our information sheets.