



## DECLARATION OF PERFORMANCE

*No. 020*

1. Unique identification code of the product-type:

**charBIT<sup>®</sup> R330 H, charBIT<sup>®</sup> R330 SHS, charBIT<sup>®</sup> R500 H**

*Product type name alternatives: R330 H, R330 SHS, R500 H*

2. Intended use:

a) Flexible sheets for waterproofing – Reinforced bitumen sheets for roof waterproofing  
(EN 13707:2004+A2:2009)

b) Flexible sheets for waterproofing – Definitions and characteristics of underlays –  
Part 2: Underlays for walls  
(EN 13859-2:2010)

It is used as a separating layer, temporary and provisional waterproofing of buildings. It is not used as an underlay under roof shingles.

3. Manufacturer:

Charvát a.s., Družstevní 289, 517 42 Doudleby nad Orlicí, Czech Republic, tel.: +420 494 383 431

4. Authorised representative:

The manufacturer has no representative on the market.

5. Systems of AVCP:

System 2+ (EN 13707:2004+A2:2009)

System 3 (EN 13859-2:2010)

6a. Harmonised standard:

a) EN 13707:2004+A2:2009

b) EN 13859-2:2010

Notified body:

Technický a zkušební ústav stavební Praha, s.p.

Oznámený subjekt 1020

Notified Body carried out a supervision including assessing and evaluating the management system for the production of bitumen sheets for roof waterproofing in terms of the ability of the system to ensure achievement of the declared product performance according to System 2+ and issued Certificate of Production Management Conformity No. 1020-CPR-050015906, and issued Declaration of Performance No. 1020-CPR-050021429 for the use of bitumen sheets for wall waterproofing according to System 3.

6b. European Assessment Document:

Not applicable.



7. Declared performances:

| Essential characteristics                   | Performance<br><b>R330 H, R330 SHS</b> | Performance<br><b>R500 H</b> | Harmonised technical specification |
|---|--|------------------------------|------------------------------------|
| External fire performance                   | B <sub>ROOF</sub> (t1)                 | B <sub>ROOF</sub> (t1)       | <b>EN 13707:2004+A2:2009</b>       |
| Reaction to fire                            | class E                                | class E                      |                                    |
| Watertightness                              | pass                                   | pass                         |                                    |
| Tensile properties:                         |  |                              |                                    |
| Tensile strength in longitudinal direction  | ≥400 N/50 mm                           | ≥500 N/50 mm                 |                                    |
| Tensile strength in transverse direction    | ≥250 N/50 mm                           | ≥300 N/50 mm                 |                                    |
| Elongation in longitudinal direction        | ≥1,5 %                                 | ≥1,5 %                       |                                    |
| Elongation in transverse direction          | ≥2,5 %                                 | ≥2,5 %                       |                                    |
| Resistance to roof penetration              | NPD                                    | NPD                          |                                    |
| Resistance to static loading                | NPD                                    | NPD                          |                                    |
| Resistance to impact                        | NPD                                    | NPD                          |                                    |
| Resistance to tearing (nail shank)          | ≥70 N                                  | ≥70 N                        |                                    |
| Joint strength                              | NPD                                    | NPD                          |                                    |
| Durability                                  |  |                              |                                    |
| Artificial ageing behaviour:                |  |                              |                                    |
| Flexibility at low temperature (pliability) | 0°C                                    | 0°C                          |                                    |
| Flow resistance at elevated temperature     | 70°C                                   | 70°C                         |                                    |
| Flexibility at low temperature (pliability) | 0°C                                    | 0°C                          |                                    |
| Dangerous substances*                       | -                                      | -                            |                                    |

\*The product contains no hazardous substances.

| Essential characteristics                    | Performance<br><b>R330 H, R330 SHS</b> | Performance<br><b>R500 H</b> | Harmonised technical specification |
|--|--|------------------------------|------------------------------------|
| Reaction to fire                             | class E                                | class E                      | <b>EN 13859-2:2010</b>             |
| Water penetration resistance                 | class W1                               | class W1                     |                                    |
| Water vapour permeability                    | NPD                                    | NPD                          |                                    |
| Tensile properties:                          |  |                              |                                    |
| Tensile strength in longitudinal direction   | ≥400 N/50 mm                           | ≥500 N/50 mm                 |                                    |
| Tensile strength in transverse direction     | ≥250 N/50 mm                           | ≥300 N/50 mm                 |                                    |
| Elongation in longitudinal direction         | ≥1,5 %                                 | ≥1,5 %                       |                                    |
| Elongation in transverse direction           | ≥2,5 %                                 | ≥2,5 %                       |                                    |
| Resistance to tearing (nail shank)           | ≥70 N                                  | ≥70 N                        |                                    |
| Flexibility at low temperature (pliability)  | 0°C                                    | 0°C                          |                                    |
| Durability                                   |  |                              |                                    |
| Artificial ageing behaviour:                 |  |                              |                                    |
| Water penetration resistance                 | class W1                               | class W1                     |                                    |
| Tensile properties                           |  |                              |                                    |
| - Tensile strength in longitudinal direction | ≥350 N/50 mm                           | ≥450 N/50 mm                 |                                    |
| - Tensile strength in transverse direction   | ≥200 N/50 mm                           | ≥250 N/50 mm                 |                                    |
| - Elongation in longitudinal direction       | ≥1 %                                   | ≥1 %                         |                                    |
| - Elongation in transverse direction         | ≥2 %                                   | ≥2 %                         |                                    |
| Dangerous substances*                        | -                                      | -                            |                                    |

\*The product contains no hazardous substances.



8. Appropriate Technical Documentation and/or Specific Technical Documentation:

Not applicable.

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacture identified above.

Signed for and on behalf of the manufacturer by:

Jindra Kynclová, sales director

A handwritten signature in blue ink, appearing to be "JK", located to the right of the name Jindra Kynclová.

At Doudleby nad Orlicí on 2.5.2019

**CHARVÁT**  
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(P.V.)