



DECLARATION OF PERFORMANCE

No. 030

1. Unique identification code of the product-type:

charBIT[®] V13

Product type name alternatives: V13

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 1: Underlays for discontinuous roofing; Part 2: Underlays for walls
(EN 13859-1:2010; EN 13859-2:2010)

c) Flexible sheets for waterproofing – Bitumen damp proof sheets including bitumen basement tanking sheets
(EN 13969:2004/A1:2006)

It is used as a separation layer on an underlay sheet 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; EN 13969:2004/A1:2006)

System 3 (EN 13859-1:2010; EN 13859-2:2010)

6a. Harmonised standard:

a) EN 13707:2004+A2:2009

b) EN 13859-1:2010; EN 13859-2:2010

c) EN 13969:2004/A1:2006

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, 1020-CPR-050015908 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	Harmonised technical specification
External fire performance	B _{ROOF} (t1)	EN 13707:2004+A2:2009
Reaction to fire	class E	
Watertightness	pass	
Tensile properties:		
Tensile strength in longitudinal direction	≥400 N/50 mm	
Tensile strength in transverse direction	≥300 N/50 mm	
Elongation in longitudinal direction	≥2 %	
Elongation in transverse direction	≥2 %	
Resistance to roof penetration	NPD	
Resistance to static loading	2 kg	
Resistance to impact	500 mm	
Resistance to tearing (nail shank)	≥40 N	
Joint strength	≥300 N/50 mm	
Durability		
Artificial ageing behaviour:		
Flexibility at low temperature (pliability)	0°C	
Flow resistance at elevated temperature	70°C	
Flexibility at low temperature (pliability)	0°C	
Dangerous substances*	-	

*The product contains no hazardous substances.

Essential characteristics	Performance	Harmonised technical specification
Reaction to fire	class E	EN 13859-1:2010
Water penetration resistance	class W1	
Tensile properties:		
Tensile strength in longitudinal direction	≥400 N/50 mm	
Tensile strength in transverse direction	≥300 N/50 mm	
Elongation in longitudinal direction	≥2 %	
Elongation in transverse direction	≥2 %	
Resistance to tearing (nail shank)	≥40 N	
Flexibility at low temperature (pliability)	0°C	
Durability		
Artificial ageing behaviour:		
Water penetration resistance	class W1	
Tensile properties		
- Tensile strength in longitudinal direction	≥350 N/50 mm	
- Tensile strength in transverse direction	≥250 N/50 mm	
- Elongation in longitudinal direction	≥1,5 %	
- Elongation in transverse direction	≥1,5 %	
Dangerous substances*	-	

*The product contains no hazardous substances.



Essential characteristics	Performance	Harmonised technical specification
Reaction to fire	class E	EN 13859-2:2010
Water penetration resistance	class W1	
Water vapour permeability	>20000 μ	
Tensile properties:		
Tensile strength in longitudinal direction	≥ 400 N/50 mm	
Tensile strength in transverse direction	≥ 300 N/50 mm	
Elongation in longitudinal direction	≥ 2 %	
Elongation in transverse direction	≥ 2 %	
Resistance to tearing (nail shank)	≥ 40 N	
Flexibility at low temperature (pliability)	0°C	
Durability		
Artificial ageing behaviour:		
Water penetration resistance	class W1	
Tensile properties		
- Tensile strength in longitudinal direction	≥ 350 N/50 mm	
- Tensile strength in transverse direction	≥ 250 N/50 mm	
- Elongation in longitudinal direction	$\geq 1,5$ %	
- Elongation in transverse direction	$\geq 1,5$ %	
Dangerous substances*	-	

*The product contains no hazardous substances.

Essential characteristics	Performance	Harmonised technical specification
Reaction to fire	class E	EN 13969:2004/A1:2006
Watertightness	pass	
Tensile properties:		
Tensile strength in longitudinal direction	≥ 400 N/50 mm	
Tensile strength in transverse direction	≥ 300 N/50 mm	
Elongation in longitudinal direction	≥ 2 %	
Elongation in transverse direction	≥ 2 %	
Resistance to static loading	2 kg	
Resistance to tearing (nail shank)	≥ 40 N	
Durability		
Artificial ageing behaviour:		
Watertightness	pass	
Resistance to chemicals	pass	
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

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(P.VJ)