



DECLARATION OF PERFORMANCE

No. 087

1. Unique identification code of the product-type:

charBIT[®] roof shingle RECTANGULAR

charBIT[®] roof shingle BEAVER

charBIT[®] roof shingle DELTA

charBIT[®] roof shingle HEXAGONAL

Product type name alternatives:

charBIT[®] HOBBY roof shingle rectangular, charBIT[®] HOBBY roof shingle beaver,

charBIT[®] HOBBY roof shingle delta, charBIT[®] HOBBY roof shingle hexagonal

2. Intended use:

The shingle products are intended to act as a water-shedding element on roofs with a roof slope 15° - 85° and a protective covering to the roof deck of minor importance (e.g. garden houses, pergolas, carports etc.).

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. System of AVCP:

System 3

- 6a. Harmonised standard:

Not applicable.

- 6b. European Assessment Document:

EAD No. 220020-00-0402

European Technical Assessment:

ETA 16/0081 of 18/10/2016

Low bitumen mass shingles with mineral reinforcement

Technical Assessment Body: Technický a zkušební ústav stavební Praha, s.p.

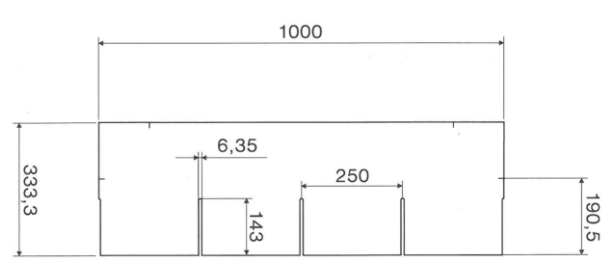
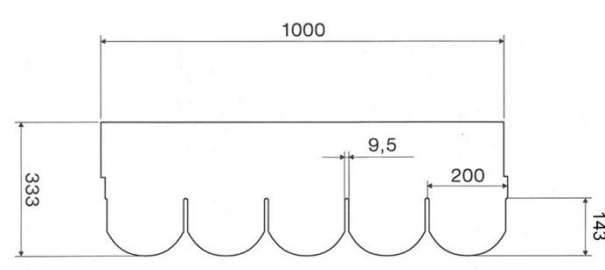
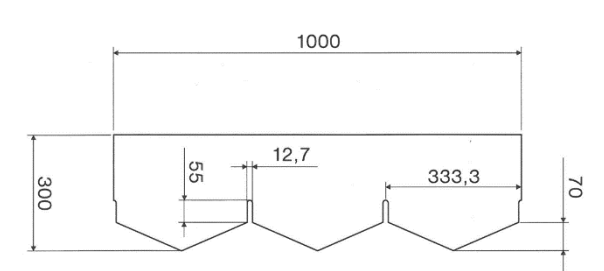
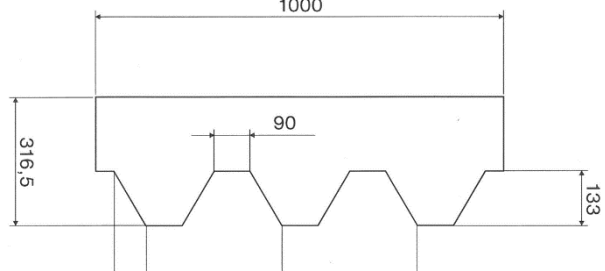
Notified body: 1020



7. Declared performances:

No.	Essential characteristic	Expression of product performance			
Essential Requirement 2: Safety in case of fire					
1	Reaction to fire	class E			
2	External fire performance of roofs	B _{ROOF} (t1)			
Essential Requirement 3: Hygiene, health and the environment					
3	Content and/or release of dangerous substances	no indication of dangerous substances			
4	Water permeability (of the roof covering)	Shape of the shingle*			
		rectangular	delta	hexagonal	beaver
4a	Mass of bitumen (g/m ²)	1070±150			
4b	Width (mm)	1000±3			
4c	Height (mm)	333,3±3	300,0±3	316,5±3	333,0±3
4d	Straightness (mm)	≤ 2			
4e	Squareness (mm)	≤ 2			
4f	Height of slits (mm)	142,8±3,5	125,0±3,5	133,0±3,5	143,0±3,5
5	Durability of water permeability (of the roof covering)				
5a	Flow resistance at elevated temperature (90±2)°C	≤ 2 mm			
5b	Adhesion of mineral granules	≤ 2,5 g			
5c	Water absorption	< 2 %			
5d	Resistance to peeling for metalsurfaced shingles	no performance assessed			
6	Resistance to blistering	pass			
7	Packaging	shingles do not stick together and are free of visible defects			
Essential Requirement 4: Safety and accessibility in use					
8	Mechanical resistance				
8a	Tensile strength in the direction of shingle height	≥ 400 N/50 mm			
8b	Tensile strength in the direction of shingle width	≥ 600 N/50 mm			
8c	Nail shank tear resistance	≥ 100 N			
	- in the direction of shingle width - in the direction of shingle height				
9	Durability of mechanical resistance				
9a	Resistance to UV radiation	pass			
9a-1	Tensile strength in the direction of shingle height after UV radiation	≥ 400 N/50 mm			
9a-2	Tensile strength in the direction of shingle width after UV radiation	≥ 600 N/50 mm			
9a-3	Nail shank resistance after UV radiation	≥ 100 N			
	- in the direction of shingle width - in the direction of shingle height				
9b	Resistance to heat ageing				
9b-1	Flow resistance at elevated temperature after heat ageing (90±2)°C	≤ 2 mm			
9b-2	Adhesion of mineral granules after heat ageing	≤ 2,5 g			
9b-3	Tensile strength in the direction of shingle height after heat ageing	≥ 400 N/50 mm			
9b-4	Tensile strength in the direction of shingle width after heat ageing	≥ 600 N/50 mm			
9b-5	Nail shank resistance after heat ageing	≥ 100 N			
	- in the direction of shingle width - in the direction of shingle height				



*Shapes and dimensions <i>Note: Dimensions are stated in mm</i>	
RECTANGULAR	BEAVER
	
DELTA	HEXAGONAL
	

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 manufacturer identified above.

Signed for and on behalf on the manufacturer by:

Jindra Kynclová, sales director

At Doudleby nad Orlicí on 2.5.2019



CHARVÁT
akciová společnost
Družstevní 289
517 42 Doudleby nad Orlicí
(PV)