



## DECLARATION OF PERFORMANCE

*No. 090*

1. Unique identification code of the product-type:

**charBIT<sup>®</sup> ELAST PV S40, charBIT<sup>®</sup> ELAST PV S40 HQ**

**charBIT<sup>®</sup> ELAST PV S50, charBIT<sup>®</sup> ELAST PV S50 HQ**

*Product type name alternatives: ELAST PV S40, ELAST PV S40 HQ, ELAST PV S50, ELAST PV S50 HQ*

2. Intended use:

a) Flexible sheets for waterproofing – Reinforced bitumen sheets for roof waterproofing

*(EN 13707:2004+A2:2009)*

b) Flexible sheets for waterproofing – Bitumen damp proof sheets including bitumen basement tanking sheets

*(EN 13969:2004/A1:2006)*

It is used as an underlay sheet or intermediate layer for multi-layer roof systems, waterproofing against ground moisture and in a multi-layer system against pressure water.

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+

- 6a. Harmonised standard:

a) EN 13707:2004+A2:2009

b) 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 in terms of the ability of the system to ensure achievement of the declared product performance according to System 2+ and issued Certificates of Production Management Conformity No. 1020-CPR-050015906 and No. 1020-CPR-050015908.

- 6b. European Assessment Document:

Not applicable.



7. Declared performances:

Essential characteristics	Performance ELAST PV S40/ ELAST PV S40 HQ	Performance ELAST PV S50/ ELAST PV S50 HQ	Harmonised technical specification
External fire performance	B <sub>ROOF</sub> (t1)	B <sub>ROOF</sub> (t1)	EN 13707:2004+A2:2009
Reaction to fire	class E	class E	
Watertightness	pass	pass	
Tensile properties:			
Tensile strength in longitudinal direction	950±200 N/50 mm	1200±200 N/50 mm	
Tensile strength in transverse direction	750±200 N/50 mm	1000±200 N/50 mm	
Elongation in longitudinal direction	50±10 %	55±10 %	
Elongation in transverse direction	50±10 %	55±10 %	
Resistance to roof penetration	NPD	NPD	
Resistance to static loading	20 kg	20 kg	
Resistance to impact	900 mm	900 mm	
Resistance to tearing (nail shank)	250±50 N	250±50 N	
Joint strength	700±200 N/50 mm	700±200 N/50mm	
Durability			
Artificial ageing behaviour:			
Flexibility at low temperature (pliability)	-15°C/-25°C	-15°C/-25°C	
Flow resistance at elevated temperature	100°C/110°C	100°C/110°C	
Flexibility at low temperature (pliability)	-15°C/-25°C	-15°C/-25°C	
Dangerous substances*	-	-	

\*The product contains no hazardous substances.

Essential characteristics	Performance ELAST PV S40/ ELAST PV S40 HQ	Performance ELAST PV S50/ ELAST PV S50 HQ	Harmonised technical specification
Reaction to fire	class E	class E	EN 13969:2004/A1:2006
Watertightness	pass	pass	
Tensile properties:			
Tensile strength in longitudinal direction	950±200 N/50 mm	1200±200 N/50 mm	
Tensile strength in transverse direction	750±200 N/50 mm	1000±200 N/50 mm	
Elongation in longitudinal direction	50±10 %	55±10 %	
Elongation in transverse direction	50±10 %	55±10 %	
Resistance to static loading	20 kg	20 kg	
Resistance to tearing (nail shank)	250±50 N	250±50 N	
Durability			
Artificial ageing behaviour:			
Watertightness	pass	pass	
Resistance to chemicals	pass	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

**CHARVÁT**  
akciová společnost  
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(P.V.)