



# DECLARATION OF PROPERTIES

REGULATION OF THE EUROPEAN PARLIAMENT AND COUNCIL (EU) No. 305/2011 (+Commission Regulation No. 575/2014)

No.: 12/2014

1. Unique identification code of the product type:	<b>KKV-N, KKV-P</b>
2. Intended use or intended uses	<b>Ceramic chimney flue liner Chimney flue liners operating under dry conditions (EN 1457-1) Chimney flue liners operating under wet conditions (EN 1457-2)</b>
3. Manufacturer	<b>P-D Refractories CZ a.s. Nádražní 218, 979 63 Velké Opatovice, CZ</b>
4. System or systems of assessment and verification of stability of properties of a construction product	<b>2+</b>
5. Harmonised norm	<b>EN 1457-1:2012, EN 1457-2:2012</b>
6. Name and identification number of the notified body	<b>Notified body No. 1020 - Technical and Test Institute for Construction Prague, s.p., Prosecká 811/76a, 190 00 Prague</b>

## Declared properties

Basic properties	Property		Harmonised technical specification
	Type KKV-N	Type KKV-P	
Gas permeability after thermal shock test (9.2.2)	<b>A1 N1 (T600 N1 D 3)</b>	<b>D1 P1 (T200 P1 D 3)</b>	<b>EN 1457-1:2012</b>
	<b>A3 N1 (T600 N1)</b>	<b>D4 P1 (T200 P1)</b>	<b>EN 1457-2:2012</b>
Flow resistance (13)	<b>0,0015 m</b> (pursuant to EN 13384-1)		<b>EN 1457-1:2012, EN 1457-2:2012</b>
Thermal resistance (14)	<b>0,01 m<sup>2</sup>KW<sup>-1</sup></b>		<b>EN 1457-1:2012, EN 1457-2:2012</b>
Gas permeability after soot burns (9.2.1)	<b>G</b>	<b>O</b>	<b>EN 1457-1:2012</b>
Gas permeability after soot burns (9.2.)	<b>G</b>	<b>O</b>	<b>EN 1457-2:2012</b>
Strength under pressure (8.1)	<b>≥ 10 MN/m<sup>2</sup></b>		<b>EN 1457-1:2012 EN 1457-2:2012</b>
Minimum load for parts of inspection holes (8.3) – chimney height	<b>≥ 25 m ≤ 50 m</b>		<b>EN 1457-1:2012 EN 1457-2:2012</b>
Corrosion resistance (10.1)	<b>≤ 5 %</b>		<b>EN 1457-1:2012</b>
	<b>≤ 2 %</b>		<b>EN 1457-2:2012</b>
Frost resistance (10.2)	<b>compliant - 25 cycles</b>		<b>EN 1457-1:2012 EN 1457-2:2012</b>
Abrasion resistance (12)	<b>≤ 0,03 kg/m<sup>3</sup></b>		<b>EN 1457-1:2012 EN 1457-2:2012</b>
Condensation resistance (13)	<b>WA</b>		<b>EN 1457-2:2012</b>
Hazardous substances	<b>compliant</b>		<b>EN 1457-1:2012 EN 1457-2:2012</b>

Properties of the aforementioned products comply with the set of declared properties.

This declaration about properties is issued, in compliance with the provision (EU) No. 305/2011, at the exclusive responsibility of the manufacturer stipulated above.

Signed on behalf of the manufacturer and in his name:

Ing. Milan Mazura – Quality Manager

(name and position)

Velké Opatovice, 01.08.2014

(place and date of issuance)

(signature)