

ADDITIONAL INFORMATION ACCOMPANING CE MARKING SIGN

SPK-2,0 – type chimney connection system



1. Unique identification code of the product-type: **SPK-2,0 – type chimney connection system.**
2. Intended usage of the construction product: **SPK-2,0 - type chimney connection system** – made with mild steel sheet, coated with Senotherm heat-resistant paint. It is used for building chimney connections extracting smoke from fireplaces and solid fuels burning devices.
3. Declared performance:

No.	Essential characteristics	Performance	Harmonised technical specification
1.	Temperature class	T600	PN-EN 1856-2:2009
2.	Gas tightness (pressure class)	N1 (40 [Pa])	PN-EN 1856-2:2009
3.	Condensate penetration resistance	D	PN-EN 1856-2:2009
4.	Resistance against chemicals	Resistant	PN-EN 1856-2:2009
5.	Resistance against corrosion	Vm	PN-EN 1856-2:2009
6.	Sootfire resistance	G	PN-EN 1856-2:2009
7.	Minimum distance to combustible material	500 [mm]	PN-EN 1856-2:2009
8.	Thermal resistance	0 [m²K/W] no insulation	PN-EN 1856-2:2009
9.	Flow resistance coefficient [ζ]	Tee 90° - 1,14 Tee 45° - 0,35 Elbow 90° - 0,40 Elbow 45° - 0,28 Elbow 30° - 0,20	PN-EN 1856-2:2009
10.	Roughness value	R = 0,001 [m]	PN-EN 1856-2:2009
11.	Compressive strenght	Pass	PN-EN 1856-2:2009
12.	Freeze thaw resistance	Resistant	PN-EN 1856-2:2009
13.	Tensile strenght	Resistant	PN-EN 1856-2:2009

Declaration of performance is on website www.darco.com.pl

Designation:

<SPK-2,0> type chimney connection system is a chimney ducts, made completely with mild steel sheet DC01 thickness 2,0 mm, marked –GZ2, used for building chimney connections (connecting stove with chimney duct) to extract a smoke from fireplaces and solid fuels burning devices, working with no condensation. Elements of the <SPK-2,0> system can be used to build a chimney duct.

Preliminaries:

1. Select parameters of new chimney such as diameter and high of the chimney as well as diameter and the length of connection between boiler with chimney. <It is needed to take into consideration recommendations of boiler's manufacturer >.
2. Clean chimney inner side from unnecessary ceramic pieces and soot products.
3. Check if cross-section of existing chimney is enough to mount connection pipe <SPK-2,0>.

Mounting:

1. Make holes in the lower side of ceramic chimney allowing to mount connection elements.
2. Assemble WJ single-walled wall insert, WD double-walled wall insert or angular wall insert in ceramic chimney.
3. In ceramic chimneys it is needed to mount the special wall insert for ceramic chimneys (WKC-type).

Caution: All connection elements should be mounted by putting the shrunk ending of pipe (male end) into the second part of the pipe (female end) – depending on angle of connection 45° or 90° with the shrunk part down or up.

4. Connections need to be sealed by heat-resistant (to 1200°C) sealant.
5. Use ZZ female or ZM male connection to reverse elements setting.
6. Brick up all previously made holes in the chimney. Avoid contact between mortar and chimney connection system.

Caution: Do not allow mortar to touch the chimney connection elements, as it can result in damaging them.