

# Declaration of Performance according to Regulation (EU) 305/2011

No.: LE29061077

1. product Ekko 45(45) s/h  
Fireplace inserts including open fireplaces fired by solid fuel with no water heating supply  
EN 13229:2001/A2:2004/AC:2007
2. intended use space heating in residential buildings with no possible supply of hot water
3. trade mark Schmid Feuerungstechnik GmbH & Co. KG  
Gewerbepark 18 | 49143 D-Bissendorf  
info@schmid.st | www.schmid.st
4. authorized representative -
5. system of assessment and verification of constancy of performance of the construction product system 3
6. The notified laboratory RRF - Rhein-Ruhr Feuerstätten Prüfstelle GmbH  
D-46047 Oberhausen – notified body number: 1625  
performed of the product type on the basis of type testing under system 3.  
RRF - 29 06 1077
- report

## 7. declaration of performance

Harmonized technical specification	EN 13229:2001/A2:2004/AC:2007
essential characteristics	performance
fire safety	pass
reaction to fire	A1
minimum safety distance to combustible material	front = 800 mm
insulation thickness (SILCA® 250KM)	60 mm
risk of burning fuel falling out	pass
cleanability	pass
emission of combustion products (log of wood)	CO [ $< 0,1 \%$ ], [ $< 1250 \text{ mg/m}^3$ ] dust content [ $< 40 \text{ mg/m}^3$ ]
surface temperature	pass
electrical safety	not applicable
release of dangerous substance	NPD
max. operation pressure	not applicable
flue gas outlet temperature at nominal heat output (log of wood)	310 °C
mechanical resistance (to carry a chimney/flue)	NPD
thermal output / efficiency	pass
nominal heat output	7 kW
room heating output	7 kW
water heating output	not applicable
efficiency (log of wood)	$\eta$ [79 %]

8. The performance of the product is in conformity with the declared performance in point 7.  
This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3.



Anna Rokossa  
- Management -

Bissendorf, 01.11.2015

product Ekko 45(45) s/h

fuel	log of wood
<i>emission values at nominal heat output (closed operation)</i>	
exhaust gas mass flow based on nominal heat output	6,8 g/s
flue gas outlet temperature	310 °C
required discharge pressure at the connecting piece, min. – max.	12-20 Pa
<b>Multiple chimney connections possible with closed fire chambers! Please note the installation and operating instructions!</b>	

<b>1. BImSchV Stage 2 (Germany) emission limit values and minimum efficiency level</b>		
report	RRF - 29 06 1077	
notified laboratory	RRF - Rhein-Ruhr Feuerstätten Prüfstelle GmbH Im Lipperfeld 34 b – D-46047 Oberhausen notified body number: 1625	
CO content relative to 13% O <sub>2</sub>	1,25 g/m <sup>3</sup>	✓
dust content relative to 13% O <sub>2</sub>	0,04 g/m <sup>3</sup>	✓
efficiency	75 %	✓

<b>Agreement according to Art. 15a B-VG (Austria) emission limit values and minimum efficiency level</b>		
report	RRF - 29 06 1077	
notified laboratory	RRF - Rhein-Ruhr Feuerstätten Prüfstelle GmbH Im Lipperfeld 34 b – D-46047 Oberhausen notified body number: 1625	
CO content relative to 13% O <sub>2</sub>	1100 mg/MJ	✓
dust content relative to 13% O <sub>2</sub>	35 mg/MJ	✓
NOx relative to 13% O <sub>2</sub>	150 mg/MJ	✓
OGC relative to 13% O <sub>2</sub>	50 mg/MJ	-
efficiency	80 %	-