

**Declaration of Performance** Nr.: pi-0003-sgr1-hal-a2-160930

**PIPELANE glass wool pipe section, coated with pure aluminium, continuously water-repellent**

1	Unique identification code of the product-type	Thermal insulation products for building equipment and industrial installations <b>PIPELANE SGR 1</b>
2	Type, batch or serial number or any other element allowing identification of the construction product as required under article 11(4) of the CPR:	See product etiquette
3	Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer	Thermal insulation products for building equipment and industrial installations (ThIBEII)
4	Name, registered trade name or registered trade mark and contact address of the manufacturer as required under article	Sager AG, Dornhügelstrasse 10, CH-5724 Dürrenäsch
5	Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in article	Not applicable
6	System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, annex V	System 3; System 1 for reaction to fire
7	The notified body, which issued a certificate of consistency of performance	FIW München, Lochhamer Schlag 4, D-82166 Gräfelfing (number 0751)

8	<b>Declared performance</b>												
	Essential characteristics		Performance							Harmonised standard			
	Reaction to fire		A2L-s1,d0							EN 14303:2009 +A1:2013  NPD = No Performance Determined			
	Acoustic absorption index		Sound absorption AW1 (≥1)										
	Thermal Resistance	Thermal Conductivity	θ °C	10	50	100	150	200	250			300	
			λ <sub>D</sub> W/(m·K)	0.032	0.035	0.042	0.050	0.062	0.076			0.093	
	Thickness	Inner ø	20 mm – 140 mm			Thickness tolerance Outer ø T8 D <sub>0</sub> < 150 mm / T9 D <sub>0</sub> ≥ 150 mm							
			15 mm – 612 mm										
	Water permeability		Water absorption WS1 (≤ 1 kg/m <sup>2</sup> )										
	Water vapour permeability		Water vapour transmission MV1 (SD=100m)										
	bRelease of corrosive substances		Small amounts of water soluble chlorid ions CL10 (≤ 10 ppm)										
	Release of dangerous substances		NPD										
	Continuous glowing combustion		NPD (a)										
	Durability of reaction to fire against heat, weathering, ageing/degradation		NPD (b)										
Durability of thermal resistance against ageing/degradation		NPD(c)											
Durability against high temperatures/fire		NPD											
Durability of thermal resistance against heat		Top application temperature limit ST(+) <sub>500</sub> (=500 °C)											

- (a) A European test method is under development and the standard will be amended when this is available.
- (b) Durability: The fire performance and thermal conductivity of mineral wool does not deteriorate with time. The Euroclass classification of the product is related to the organic content, which cannot increase with time.
- (c) The thermal conductivity of mineral wool does not deteriorate with time. Experience has shown the fibre structure to be stable and the porosity contains no other gases than atmospheric air.

9	The performances of the products identified in points 1 and 2 are in conformity with the declared performances in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.	
10	Signed in the name of the manufacturer from: Marc Lüdi, CEO Sager AG  Place and date: Dürrenäsch, 30. september 2016 Signature: 	