

## PRODUCT DATASHEET

### PAROC CGL 20cy



#### Ceiling lamella

Rigid, fire safe stone wool lamella with high thermal insulation performance. One surface of the product is with cutted edges and coated.

PAROC CGL 20cy is non-combustible stone wool slab for thermal, fire and sound insulation of ceilings. Slab is connected to the base by adhesive. The surface of this product can be painted.

PAROC stone wool products are capable of withstanding high temperatures. The binder starts to evaporate when its temperature exceeds approximately 200 °C. The insulating properties remain unchanged, but the compressive stress weakens. The softening temperature of stone wool products is over 1000 °C.

**Certification Number**  
**Designation Code**  
**Package Type**

0809-CPR-1015 Eurofins Expert Services Ltd, P.O. Box 1001, FI-02044 VTT, Finland  
MW-EN13162-T5-DS(70,90)-CS(Y)20-TR20-WS-WL(P)-MU1-AFr10  
Plastic package, Plastic Packages on a Pallet or Loose Product on a Pallet

DIMENSIONS		
WIDTH X LENGTH	THICKNESS	
200 x 1200 mm	50 - 200 mm	
According to EN 822	According to EN 823	

  

PROPERTY	VALUE	ACCORDING TO
<b>DIMENSIONAL STABILITY</b>		
Dimensional Stability under Specified Temperature and Humidity Conditions, DS(70,90)	≤ 1 %	EN 13162:2012 + A1:2015 (EN 1604)

## Properties

PROPERTY	VALUE	ACCORDING TO
<b>FIRE PROPERTIES</b>		
Reaction to Fire, Euroclass	A1	EN 13162:2012 + A1:2015 (EN 13501-1)
Continuous Glowing Combustion	NPD	EN 13162:2012 + A1:2015
Combustibility	Non-combustible	EN ISO 1182
<b>THERMAL PROPERTIES</b>		
Thermal Resistance	<a href="https://paroc.com/thermal-resistance-table">https://paroc.com/thermal-resistance-table</a>	EN 13162:2012 + A1:2015
Thermal Conductivity $\lambda_D$	0,037 W/mK	EN 13162:2012 + A1:2015
Thickness Tolerance, T	T5	EN 13162:2012 + A1:2015 (EN 823)
Air Flow Resistivity $AF_R$	10 kPa*s/m <sup>2</sup>	EN 13162:2012 + A1:2015 (EN 29053)
<b>MOISTURE PROPERTIES</b>		
Water Absorption, Short Term $W_S$ , ( $W_p$ )	$\leq 1$ kg/m <sup>2</sup>	EN 13162:2012 + A1:2015 (EN 1609)
Water Absorption, Long Term $W_L(P)$ , ( $W_p$ )	$\leq 3$ kg/m <sup>2</sup>	EN 13162:2012 + A1:2015 (EN 12087)
Water Vapour Transmission $MU$ , $\mu$	1	EN 13162:2012 + A1:2015 (EN 12086)
Water Vapour Resistance $Z$	NPD	EN 13162:2012 + A1:2015
<b>SOUND PROPERTIES</b>		
Sound Absorption	NPD	EN 13162:2012 + A1:2015 (EN ISO 354)
Dynamic Stiffness $SD$	NPD	EN 13162:2012 + A1:2015 (EN 29052-1)
Compressibility	NPD	EN 13162:2012 + A1:2015
<b>MECHANICAL PROPERTIES</b>		
Compressive Stress at 10 % deformation $CS(10)$ , $\sigma_{10}$	NPD	EN 13162:2012 + A1:2015 (EN 826)
Compressive Strength $CS(Y)$ , $\sigma_m$	20 kPa	EN 13162:2012 + A1:2015 (EN 826)
Point Load $PL(5)$	NPD	EN 13162:2012 + A1:2015 (EN 12340)
Tensile Strength Perpendicular to Faces $TR$ , $\sigma_{mt}$	20 kPa	EN 13162:2012 + A1:2015 (EN 1607)
<b>EMISSIONS</b>		
Release of Dangerous Substances	NPD	EN 13162:2012 + A1:2015
<b>DURABILITY OF COMPRESSIVE STRENGTH AGAINST AGEING/DEGRADATION</b>		
Compressive Creep $CC(i_1/i_2/y)\sigma_c, X_{ct}$	NPD	EN 13162:2012 + A1:2015 (EN 1606)
<b>DURABILITY OF FIRE AND THERMAL PROPERTIES</b>		
Durability of Reaction to Fire Against Heat, Weathering, Ageing/Degradation	The fire performance of mineral wool does not deteriorate with time. The Euroclass classification of product is related to the organic content, which cannot increase with time.	
Durability of Thermal Resistance Against Heat, Weathering, Ageing/Degradation	Thermal conductivity of mineral wool products does not change with time, experience has shown the fibre structure to be stable and the porosity contains no other gases than atmospheric air.	

## Appearance

Facing Material	Silicate based, sprayed coating
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