

ProRox® SL 960

ProRox SL 960 is a strong and rigid stone wool slab and is especially suitable for the thermal and acoustic insulation of constructions up to intermediate temperatures.



Product properties in accordance with ASTM C612

Property	Unit	50	100	150	200	250	300	Standard
Thermal conductivity ² at mean temperature	T_m (°C) λ (W/mK)	0.038	0.044	0.051	0.059	0.069	0.080	ASTM C177
Nominal density		100 kg/m ³						ASTM C303
Maximum use temperature		650°C						ASTM C411 / C447
Linear shrinkage		Less than 2% (at max service temperature)						ASTM C356
Reaction to fire		EuroClass A1 Surface burning characteristic; Flame spread = Passed, Smoke development = Passed						EN 13501-1 ASTM E84
Chloride content		Less than 10 ppm Conforms to the stainless steel corrosion specification as per ASTM C795						ASTM C871 ASTM C692 / C871
Moisture absorption		Less than 1% weight						ASTM C1104 / C1104M
Water absorption		Less than 1 kg/m ²						EN 1609

- All information and data for technical parameters in this data sheet are based on laboratory testing
- Nominal values.

Compliance

- ProRox SL 960 slabs comply with the requirements as set by internationally recognized standards like CINI 2.2.01 and ASTM C612 Type IA, II, III, IVA and IVB
- Above product properties reflect only to ASTM standards. Compliance and Performance according to Indian Standards (IS) can be found on our website. Please contact our sales representatives for an extended list of approvals & certifications.

As ROCKWOOL has no control over insulation design and workmanship, accessory materials or applications conditions, ROCKWOOL does not warranty the performance or result of any installation containing ROCKWOOL products. ROCKWOOL's overall liability and the remedies available are limited by the general terms and conditions of sale. This warranty in lieu of all other warranties and conditions expressed or implied, including the warranties of merchantability and fitness for a particular purpose. ROCKWOOL Technical Insulation reserves the right to make necessary product changes at any time. Technical specifications are thus stated subject to change.



ProRox SL 960

Rigid slab

Applications

ProRox SL 960 is a strong and rigid slab and is especially suitable for the thermal and acoustic insulation of constructions up to intermediate temperatures.

Compliance

ProRox SL 960 Slabs fully comply with the requirements as set by internationally recognized standards like EN14303, CINI 2.2.01, ASTM C612 Type IA, II, III, IVA, IVB and IS 8183.



Approximate quantities per 40ft HC container in m²

Thickness (mm)	Length (mm)	Width (mm)	Packaging m ² /pack	m ² per 40ft HC container*
25	1000	600	8.4	2520
30	1000	600	6.0	2016
40	1000	600	3.6	1663
50	1000	600	3.6	1210
75	1000	600	2.4	806
100	1000	600	1.8	605

Advantages

- Excellent thermal and acoustic insulation
- Resistant to high temperatures

Product properties¹

	Mean Temp (°C)	50	100	150	200	250	300	
Thermal Conductivity ²	λ (W/mK)	0.038	0.044	0.051	0.059	0.069	0.080	ASTM C177
	λ (W/mK)	0.041	0.048	0.058	0.068	0.078	0.089	IS 3346
Nominal Density		100 kg/m ³						ASTM C303/ IS 3144
Heat Resistance		No visible deterioration of the fibrous structure. No evidence of self heating. No fusion of fibers at 550°C						IS 3144
Maximum Service Temperature		650°C						ASTM C411/C447
Linear Shrinkage		Less than 2% (at max service temperature)						ASTM C356
Incombustibility		<5 wt%						IS 3144
Reaction to Fire		EuroClass A1 Surface burning characteristics; Flame spread = passed, Smoke development = passed						EN 13501-1 ASTM E84
pH		7-10						IS 3144
Water Leachable Chloride Content		Less than 10 ppm Conforms to the stainless steel corrosion specification as per ASTM C795						ASTM C871/ IS 3144 ASTM C692/C871
Sulphur Content		< 0.3 vol%						IS 3144
Water Absorption		Less than 1 kg/m ²						EN 1609
Moisture Absorption		Less than 1% weight						ASTM C1104/C1104M IS 3144
Shot Content		> 250µm < 8 wt%						IS 3144
		> 500µm < 3 wt%						

Note: 1. All information and data for technical parameters are based on laboratory testing.
2. Nominal values.

