

ConRock Sandwich Panel Core

ROCKWOOL stone wool products are mainly made of natural stone.



ConRock

ROCKWOOL stone wool products are non-combustible with a melting point of approximately 1000°C. They are specially formulated to provide thermal insulation, fire protection and sound reduction/absorption. No CFCs, HFCs, HCFCs or asbestos are used in the manufacture of ROCKWOOL stone wool products.

ConRock(CR) product range is specifically designed for use as insulation core for metal faced composite panels. CR range is available in CR-L and CR-S series. CR-L10.5 CR-S10.5 CR-L12 CR-S12



Fire-resilience



Acoustic capabilities



Durability



Circularity

Common Applications

CR range is the ideal core insulation for metal faced sandwich panels used in commercial, industrial and public buildings in various applications such as external wall, roof, partition, etc.

CR-L series is supplied in lamella form, pre-cut into required thickness. CR-S series is supplied in slab form which can be processed directly by a panel production line.



Product Features

■ Fireproof

ROCKWOOL stone wool is class A non-combustible inorganic core material and can contribute to prevent fire from spreading in case of fire and provide protection for saving lives and reducing property losses.

■ Mechanical Strength

In addition to bearing its own gravity load, the sandwich panel structure must also bear wind load. CR-L series products, as sandwich panel core materials, have excellent compressive, tensile and shear strength.

■ Thermal Properties

ROCKWOOL stone wool is not easy to expand or shrink, and its stable thermal insulation performance enables the building to achieve the purpose of thermal insulation and energy saving.

■ Water Resistance

The roof and wall must be affected by various moisture. ROCKWOOL stone wool are excellent in water resistance, moisture will not enter the stone wool core material when external water drips or contacts the surface for a short time.

■ Acoustic Insulation

When sound waves enter the pores formed by the fibers in the stone wool, they are converted into heat energy through refraction and reflection, so as to achieve the effect of sound insulation and noise reduction.

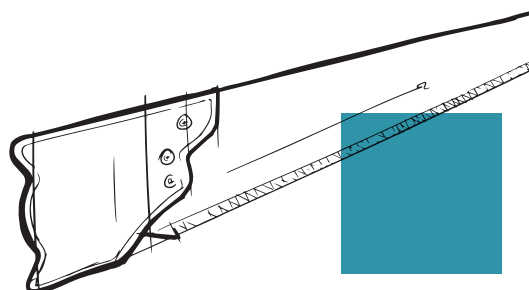
■ Health and Safety

ROCKWOOL stone wool has been recognized as a non carcinogen by the International Cancer Research Authority IARC. ROCKWOOL stone wool does not contain asbestos, does not produce mold, and has no basis for microbial growth.

ConRock

Handling and Storage

- CR is delivered in shrink wrap bales or in pallet with polythene wrap for protection during transit and for short term protection. The product shall be handled with proper tools and with care to avoid damage to the packaging.
- The product shall be stored in ventilated indoor space or temporarily outdoor on elevated base and fully covered from rain or snow.
- Maximum height for stacking is 2.5m.
- Do not expose the product directly to water source (rain or snow) during transportation, handling and storage.



Product code	CR-L10.5	CR-L12
Nominal Density (kg/m ³)	105	120
Dimension LxW (mm)*	1200x100	
Thickness (mm)	30-200	

* Please contact our local representative for sizes not stated in the datasheet.

Product code	CR-S10.5	CR-S12
Nominal Density (kg/m ³)	105	120
Dimension LxW (mm)*	1200x1200, 1200x600	
Thickness (mm)	100	100

* Please contact our local representative for sizes not stated in the datasheet.

CR-L Technical Parameters

	CR-L10.5	CR-L12	Unit	Standard
Compressive strength	60	70	kPa	GB/T 19686
Tensile strength	135	160	kPa	GB/T 19686
Shear strength	60	60	kPa	GB/T 19686
Shot content	≤ 5 (≥ 0.25mm)		%	GB/T 19686
λ 25°C for CR-S	≤ 0.036	≤ 0.036	W/m · K	GB/T 10295
λ 25°C for CR-L	≤ 0.048	≤ 0.048	W/m · K	GB/T 10295
Fire performance	Non-combustible, reaction to fire Class A1		-	GB/T 8624
Fire resistance	30 to 240 min. (depending on panel structure and thickness)		-	-
Water absorption (by mass)	≤ 0.5		%	GB/T 5480
Water Repellence	≥ 99		%	GB/T 10299

Note: The information contained in this data sheet is believed to be correct at the date of publication. ROCKWOOL Company does not accept responsibility for the consequences of using ConRock in applications different from those described above.

ROCKWOOL

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