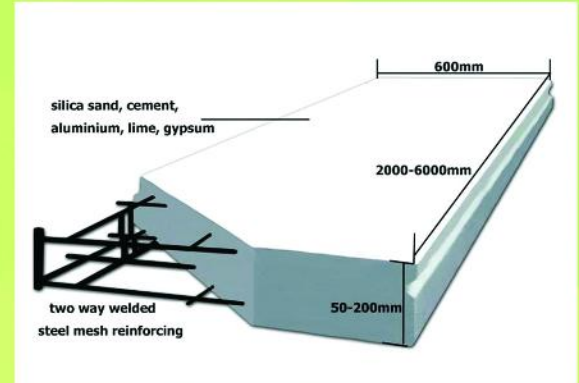




# SUPREME LIGHT CONCRETE PANEL

**SUPREME LIGHT CONCRETE PANEL (SLCP)** is a lightweight, precast, concrete building material suitable for producing concrete panels. Composed of quartz sand, calcined gypsum, lime, cement, water, aluminum powder and steel, SLCP is cured under heat and pressure in an autoclave. SLCP provides structure, heat and sound insulation, as well as fire and mold resistance.

SLCP may be used for both interior and exterior construction, and may be coated with skimcoat and latex paint for added protection against the elements. In addition to their quick and easy installation, SLCP can be routed, sanded, or cut to size on site using standard power tools like cutters.



## BENEFITS



### FIRE RESISTANCE

SLCP is a CLASS-A fireproofing material with 4 hours fire rating at 150mm thickness. No toxic gases or smoke when subjected to fire, creating a barrier of escape, and protection of structural elements against the further spread of fire.



### LIGHTWEIGHT

Due to its porous yet sturdy composition, SLCP is only 1/3 of traditional hollow block walls at 525kg/m<sup>3</sup>. This results in a great reduction in costs for manpower, logistics and structural foundations without sacrificing structural strength.



### SOUND INSULATION

Soundproofing can range from 36.7~57 db depending on the thickness of SLCP as well as surface treatment of the material. Due to its porosity SLCP has both sound absorption and sound resistance features, making it an extraordinary material.



### THERMAL INSULATION

SLCP consists of many holes which act as an effective thermal barrier, giving it a thermal conductivity of  $\leq 0.14$  w/(m.k).



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