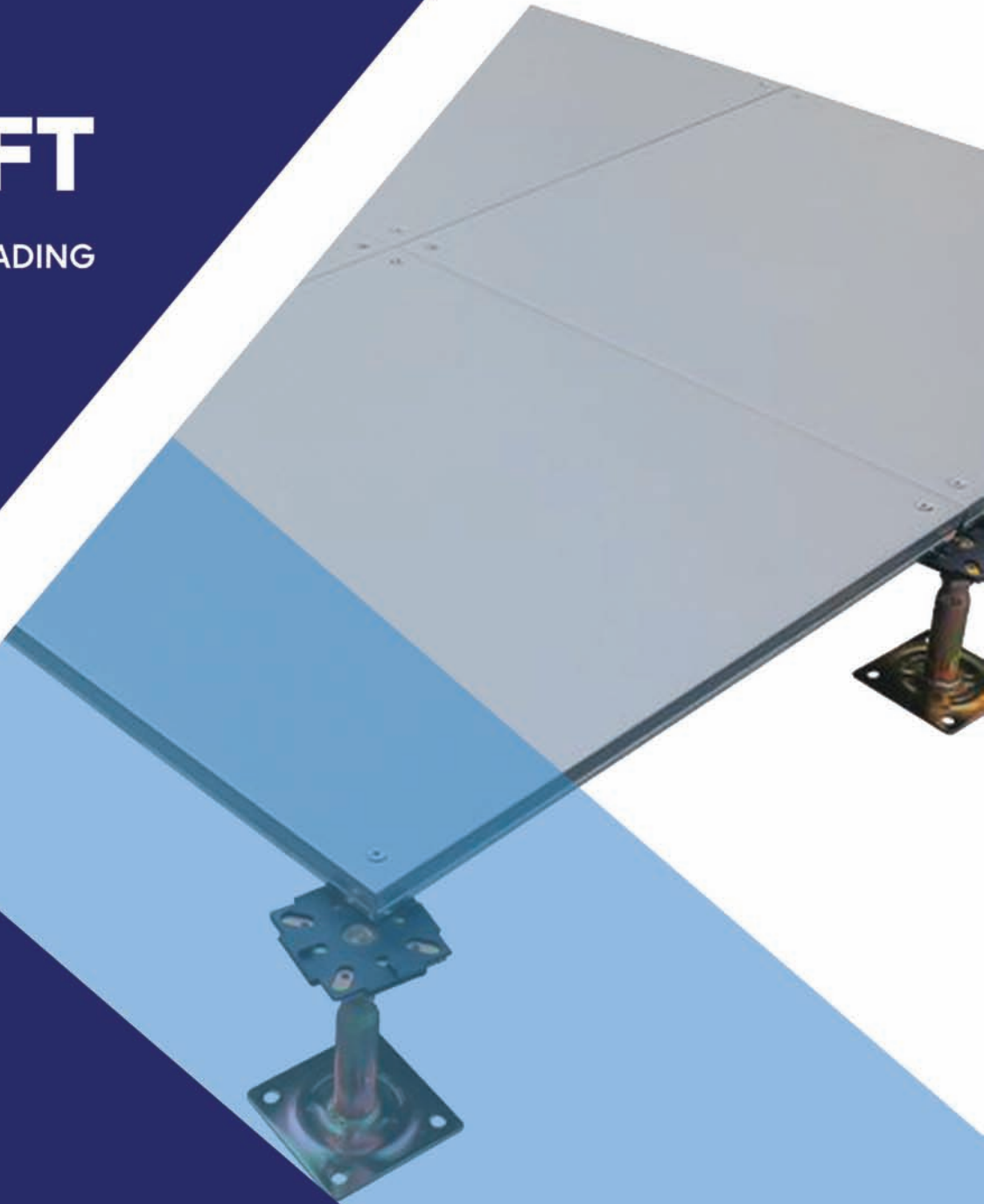




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ACCESS FLOORS TRADING



CALCIUM SULPHATE SERIES

(ENCAPSULATED BARE FINISH PANELS)

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a. Introduction

The Calcium Sulphate Series consisting of the high-density calcium sulphate core, made from natural gypsum powder and plant fiber. This type of raised flooring system is generally able to withstand high loads both concentrated as well as uniformly. Just like the other types of raised access flooring systems,



This category of the Calcium Sulphate series consists of panels which are bare, which means they are ready to receive external finishes such as :

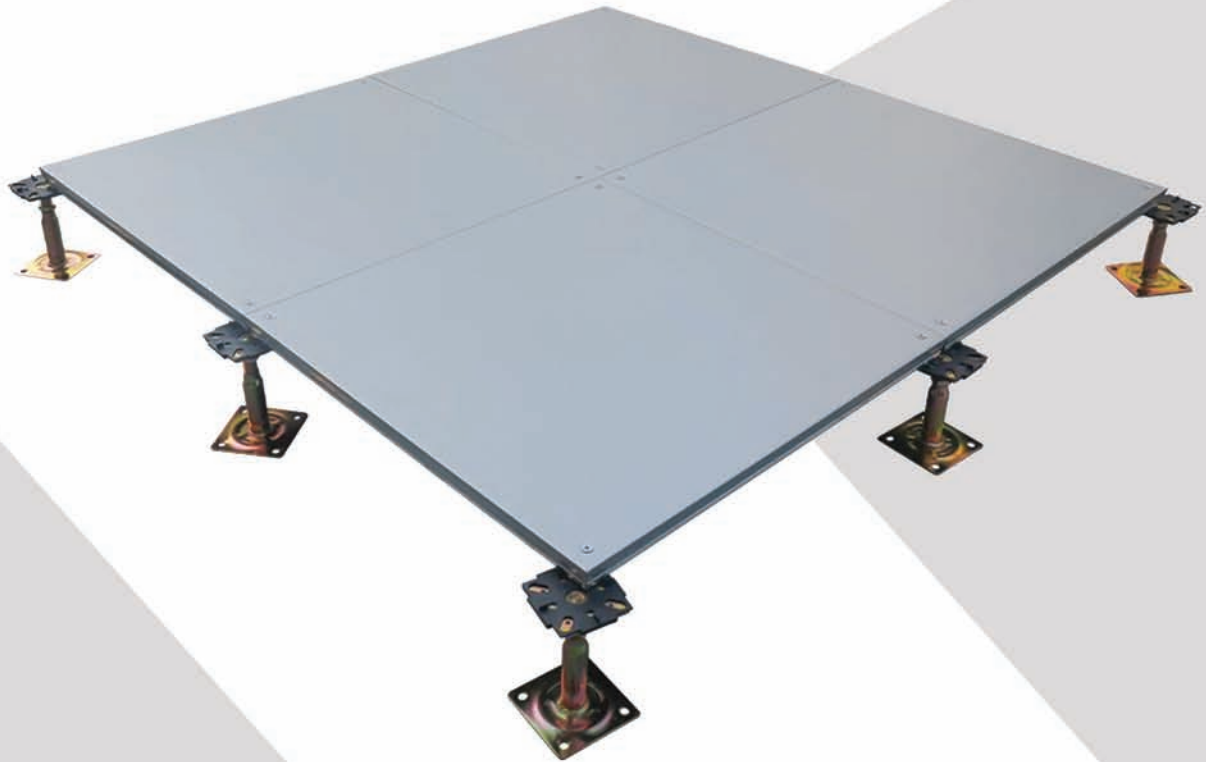
- o carpets
- o vinyl
- o ceramic

b. Construction

Calcium sulphate board's main components are high-strength natural gypsum powder and plant fiber. They are solidified into calcium sulphate crystals, then pulsed and pressed into a complete board. Calcium sulfate boards' recyclable ratio (CaSO₄, plant cellulose) is as high as 97%. Because of its excellent environment friendly and fireproof advantages, calcium sulphate panel has become the latest generation of raised floor material.

These panels are then bonded with Steel Sheets in accordance with their types, which then goes through a pressure machine to make sure that each of the panels are bonded well. Then finally each of the panels are stuck with the black pvc edge trims and left for drying.

Whereas, the Calcium Sulphate Encapsulated panels go through a 100% automated process, where in the calcium sulphate boards are directly punched with steel sheet on the top and bottom, and punched with 4 corner lock holes, which will ensure stability between the panels and the pedestals.



Structural Performances

Bare Top

- Panel Dimensions: "600mm x 600mm"
- Panel Thickness: 30mm
- Core Material: Calcium Sulphate
- Panel Weight: 17.5 kgs
- Weight of the System: 55kg/ sq.m with 200mm FFH pedestals. (Varies with FFH and stringer system)
- Overall FFH available: – 100mm – 1500mm

Performance Summary



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Application	A general office environment where people, workstations and normal office equipment will occupy the space. The space is likely to be subject to equipment loads, normal levels of foot traffic and infrequent rolling loads in the office corridors and aiseways.
Acoustical Characteristics	The material structure, design features and high production precision of calcium sulphate raised floor provide excellent acoustic values. The extremely good walk-on properties offer a high degree of comfort and create a perfect working ambience.
Ecology	Due to this environment friendly production process and the use of ecological materials, calcium sulphate raised floor will be recycable from 90% to 97% at the end of its life - a very important economical aspect nowadays.
Moisture Resistance	Calcium sulphate raised floor has a good performance to a (slight) degree of moisture. It is easier to maintain and clean floor, service life of floor will also be longer than a chipboard floor.
Surface Finish	The calcium sulphate board is fully wrapped around by hot dipped galvanizing steel, top & bottom steel sheet is pressed and riveted.
Fire Rating	All panels are to provide zero fire hazard indices under CISCA Platform (Raised Access) Floors Performance Specification – Fire and Safety Requirements.
Maintenance	All whole panels will be interchangeable allowing for any future changes. The access floor will maintain these original conditions when runs of panels have been removed for normal underfloor access.

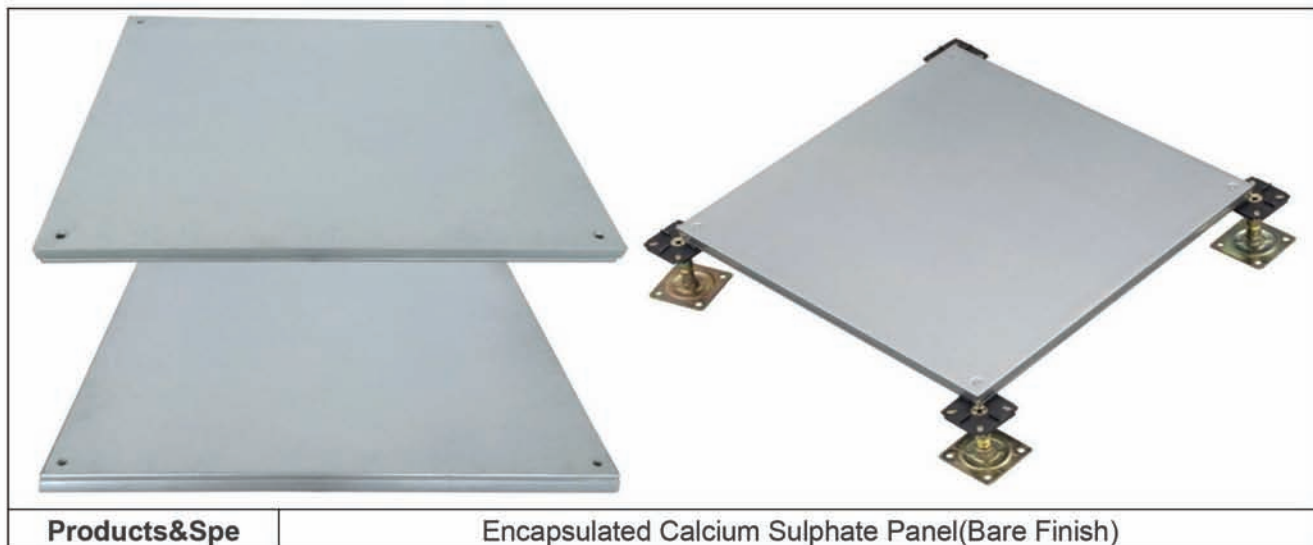
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TECHNICAL DATA SHEET

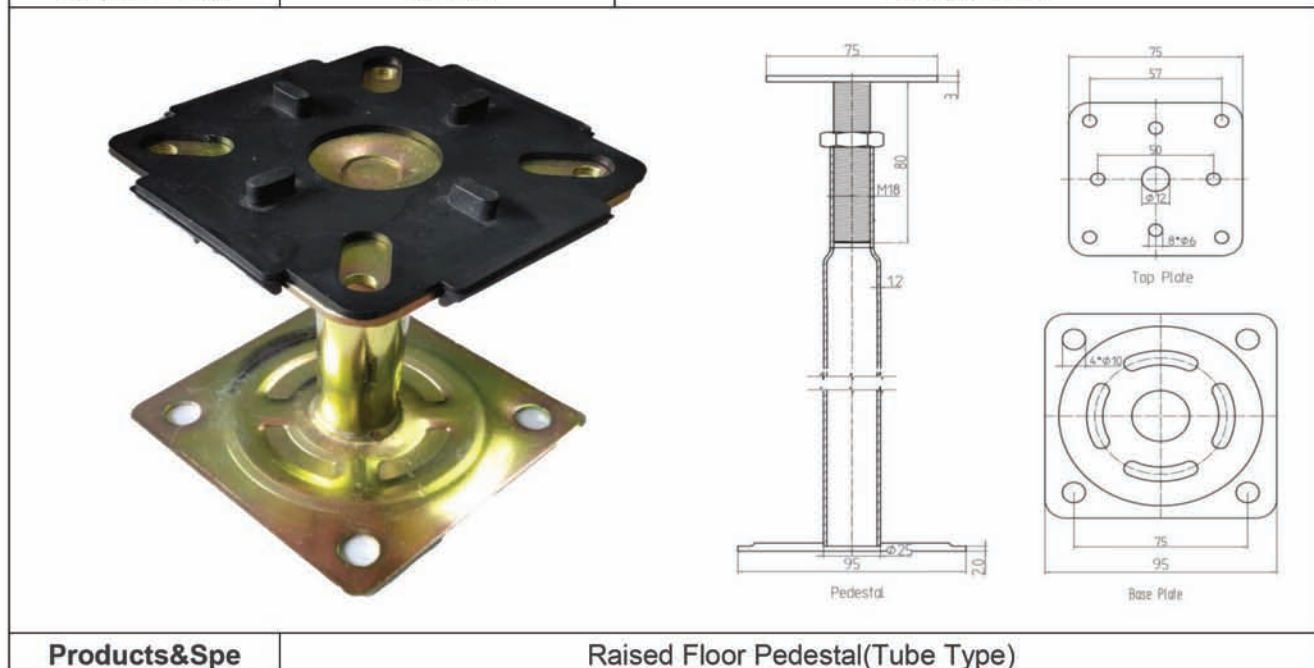


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Description	High strength calcium sulphate board as core, fully wrapped around by hot-dipped galvanizing steel	
Dimension	600mmx600mmx30mm	
Weight	52-54kg/m2(whole system)	
Item	Test Standard	Performance
Fire Resistance	ASTM E84-14	Class A
Satic Concentrated Load	CISCA	1250lb/5.56kn
	PSA MOB PF2	Heavy grade
Ultimate Load	CISCA	18.36kn
Impact Load	CISCA	150lb/68kg
Rolling Load	CISCA	4.45kn at 10passes
		3.56kn at 10,000passes
Uniform Load	CISCA	27.78kn/m2



Description	Pedestals are coated with zinc galvanizing, with plastic gasket on top	
Item	Test Standard	Performance
Axial Load	CISCA	22.5kn



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