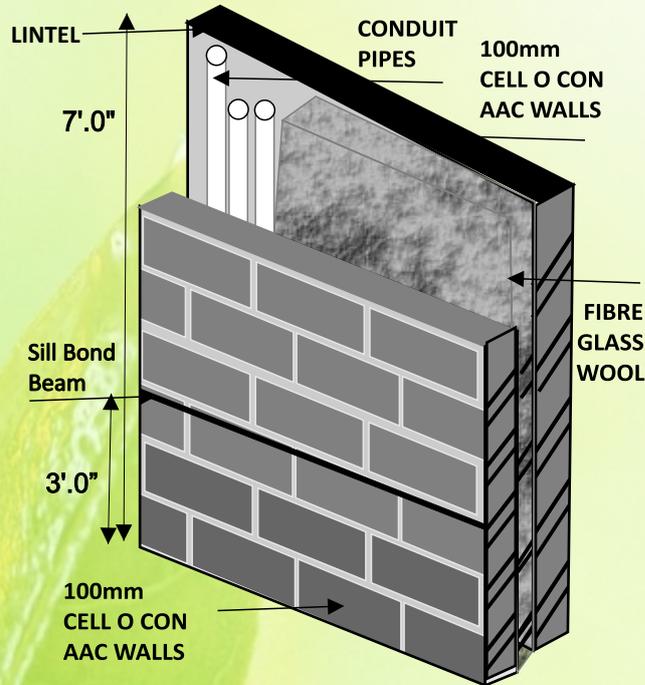




METHRAS
CELLOCON
A Green Revolution For Future Buildings



CELL O CON
AAC COOL TILES
AAC THERMAL INSULATION PANELS
AAC CAVITY WALL SYSTEM

A TECHNOCRAT'S QUALITY PRODUCT

✓ **GERMAN TECHNOLOGY** ✓ **SCADA QUALITY CONTROL**

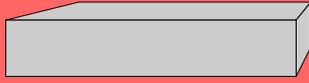
✓ **INNOVATIVE GREEN PRODUCTS**



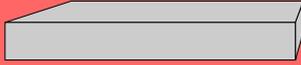
www.methrascellocon.com



600 X 200X 100



600 X 200X 75



600 X 200X 50



CELL O CON AAC COOL TILES

CELL O CON AAC COOL TILES

CELL O CON AAC Cool Tiles will act as a light weight, water proofing, lesser dead load on the roof, less thermal conductivity and high thermal resistance material. CELL O CON AAC Cool Tiles will act as weather proof material. CELL O CON AAC Cool Tiles will save recurring energy cost in air conditioning and heating.

CELL O CON AAC COOL TILES DIMENSIONS

600 x 200 x 50mm

600 x 200 x 75mm

600 x 200 x 100mm

This thickness for over deck insulation over the roof slab and under deck insulation below the roof slab. These tiles will act as weathering tiles. These AAC Cool Tiles are manufactured in the same process as for AAC Blocks.

CELL O CON AAC Cool Tiles are used for over deck insulation, on the roof slab, for thermal insulation and water proofing. These AAC Cool Tiles will be laid to the required slope by using 50mm, 75mm and 100mm thick over the roof slab by using water proof mortar of required thickness.

CELL O CON AAC Cool Tiles joints to be filled with the water proof mortar after laying the tiles with required gradient. Before this Cell O Con AAC Cool Tiles laying, the roof should be cleaned from all dust and rust.

Over the AAC Cool Roof Tiles, the top to be finished with water proof mortar, cement, lime, sand ratio 1:1:6 screed by providing the weld mesh or glass fibre mesh 120 gsm to avoid any shrinkage or shear crack. The top finish should have the groove at the interval of 60cm x 60cm to avoid any temperature cracks. This method will give good weathering effect as well as thermal insulation.

CELL O CON AAC COOL TILES - DIMENSIONS

600 x 200 x 50mm

600 x 200 x 75mm

600 x 200 x 100mm

CELL O CON AAC Cool Tiles of 50mm thick will be used as under deck insulation like false ceiling under the slab. This will avoid the temperature from the RCC roof slab.





CELL O CON THERMAL INSULATION PANELS

CELL O CON Thermal Insulation Panels can be applied for thermal insulation of RCC structures, fire protection of elevator, shafts, steel structures and creation of fire-resistant walls and partitions.

Aerated structure of CELL O CON Thermal Insulation Panels make it possible for usage in constructing acoustic-proof, rood screens and other sound protected barriers.

THERMAL INSULATION PANELS - TECHNICAL SPECIFICATIONS

Dimensions	1200mm x 600mm
Thickness	75 To 100mm
Density	550 to 650 kg/m ³
Thermal conductivity	0.142 - 0.24 w/m deg.K
Compressive Strength	4 to 6 N/m ²

THERMAL INSULATION PANELS - ADVANTAGES

- Light weight
- Required U-Value
- Fire Resistant
- Easy Fixing with Regular cement or
CELL O CON Dry Mix Plaster





CELL O CON AAC CAVITY WALL (Sound Insulation / Thermal Insulation)

CELL O CON AAC CAVITY WALL - INSULATIONS

CELL O CON AAC Blocks can be constructed as Cavity Wall to reduce the thermal conductivity and sound insulations.

The AAC Block of 100 mm thick walls can be constructed in two lines by leaving the gap about 50mm.

In the 50mm gap the fibre glass wool should be provided to avoid the thermal conductivity and sound.

The size of the AAC Block 600mm x 200mm x 100mm can be used.

This cavity wall will give the best acoustic and thermal resistance properties.

The method of wall construction is illustrated in the picture.

The electrical conduits can be lodged in to the gap to avoid the disturbance of the masonry and chasing of wall.

