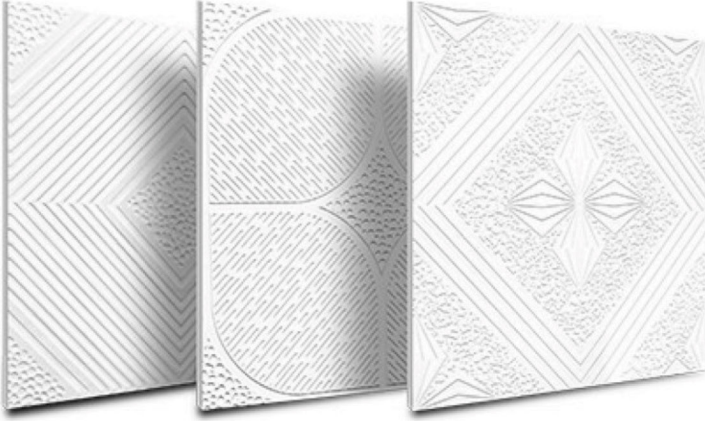




المتحدة للصناعات التعدينية
United Mining Industries

شركة أجباس للتجارة
AJBAS TRADING CO. LTD.



UNICEL CEILING TILES FIRE RATED

DATA SHEET

3 / 2021

UNICEL[®] Gypsum board based ceiling tiles (GCT)

UNICEL Ceiling Tiles consist of pre-manufactured united fire rated type X gypsum board laminated with textured PVC layer at face side and aluminized foil layer at the back side.

UNICEL Ceiling Tiles are a pre-decorated gypsum board which is suitable to be installed as false ceiling surface with ability of heat, Fire or moisture resistance to be installed internally at all desired areas.


ENG. AHMED BADAWY
QA/QC Manager



ajbas

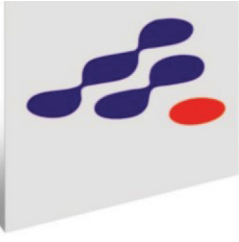
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Description

UNICEL Ceilings are pre-decorated gypsum boards which is laminated with face textured PVC layer and back aluminized foil layer specially designed to offer superior Fire and Moisture resistance performance when used in ceilings systems.

UNICEL Ceilings are ceiling tiles coming with variety of textured designs to meet all customers requirements and to match any desired style.

Also it is providing the easiness of installing and checking the above supplies like electrical wiring, water pipes, AC, etc. in addition to changing the design whenever you want

Characteristics

- Lightweight constructions
- Easy, fast and dry application
- Good sound insulation performance
- High Fire and Moisture resistance performance
- Contains special additives and strong lamination to maintain resistance to fire and moisture
- A material that breathes and balances room climate and humidity levels
- Environmental friendly
- Limitless design options

Application

UNICEL Ceilings are high performance pre-decorated gypsum boards used as ceiling tiles to be installed at ceiling metal frame system

NOTE:

To achieve required performance and characteristics from UNICEL, the complete system components from UNITD has to be used and the assembly has to be installed according to UNITEDs installation guidelines.

Handling and installation

UNICEL Ceilings is to be installed with a horizontal steel ceiling frame system. The substructure should be selected according to the statics requirements. Depending on these requirements, it is possible to use any desired design and dimensions with a very easy way of laying the tiles within the frames.

Technical Data

Tiles Dimensions:

Thickness (mm): 8, 9.5, 12.5

Width X Length (mm) : 595 X 595 and 603 X 603

Edge Detail:

Square Edge (SE)



Appearance: Textured PVC layer

Asbestos content: None

Volatile Organic Compound (mg/m³): ≤ 0.5

Board Type: ASTM C1396M – Pre-decorated

Reaction to Fire : A2-s1,d0 (B)
(ASTM E84, EN 13501)

Mold Growth (ASTM D4576): 9.1 %

Thicknesses (mm)	8	9.5	12.5
Thickness Variation (mm)	± 0.3		
Length Variation (mm)	0 to – 0.5		
Width Variation (mm)	0 to – 0.5		
Squareness (mm)	≤ 1		
Hardness (N)	Core : ≥ 70.4 , End : ≥ 68.6 , Edge : ≥ 69.2		
Flexural Strength (N)	L: ≥ 435	L: ≥ 575	L: ≥ 735
	T: ≥ 190	T: ≥ 235	T: ≥ 325
Weight (Kg/m ²)	6.2	6.8	8.3
Packing (Pieces/box)	8	6	5

Fire Resistance (ASTM E119, EN 1363,1364) 60 mins for 12.5 mm Single layer system and 40 mins for 8 mm single layer

Water Absorption 10 % of dry weight at moisture resistant based gypsum board and 20 % at regular based gypsum board



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