Armstrong

SUSPENDED CEILINGS

DATASHEET

ULTIMA

SUSPENDED CEILING BOARDS



PRODUCT DESCRIPTION

Mineral wool suspended ceiling boards, with fillers like: pearlite, cellulose, clay and starch. The boards are covered with dispersion paints, colorless on their back side, with white, unperforated face.

APPLICATION

ARMSTRONG suspended ceilings have a wide scope of application in building industry: in residential, administrative and industrial buildings such as offices, banks, trading centers, hotels, restaurants, sports halls, fitness centers, education buildings, etc.

SPECIFIC PROPERTIES OF ARMSTRONG SUSPENDED CEILINGS

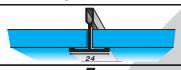
- Long term aesthetic appearance;
- Notable improvement of acoustics and good indoor environment;
- Fast and easy to assemble;
- Considerable increase in fire resistance time of the buildings;
- Harmless to man, no requirements for special means of protection;
- Not an environment for rodents and micro-organisms;
- Dimensionally stable;
- Lightweight and easily handled.



PACKING

Cardboard boxes, with the name of the manufacturer and the basic product data printed on the label.

DIMENSIONS, PRODUCT RANGE AND PACKING

Edge Details	Symbol	Thickness (mm)	Length (mm)	Width (mm)	m²/pack	Weight / m²
	Board	19	600	600	4.32	5.20
		19	1200	600	4.32	5.20
	Tegular	19	600	600	4.32	5.20
		19	1200	600	5.36	5.20
	Microlook	19	600	600	4.32	5.20
		19	1200	600	5.76	5.20

TECHNICAL PARAMETERS

Typical Features	Symbol	Value			Unit			Standard
Reaction to fire	A_1	Non combustible			-			EN 13501-1
Fire resistance of horizontal carrier construction	-	60			min			EN 13501-2
Relative humidity at 40° C	***RH***	95			%			EN 13964
Light reflection	***100 Lux***	88			%			ISO 7724-2
Stability of sizes 48h, 35°C	-	≤ 1			%			EN 1604
Water absorption 24h short dipping	W_p	≤ 1			kg/m²			EN 1609
Thermal resistance coefficient	λ_D	0.052 - 0.057			W / m.K			EN 12667/ISO 8302
Sound absorption coefficient α_s (20cm suspended ceiling)	**Hz**	**125**	**250**	**500**	**1000**	**2000**	**4000**	EN ISO 20354
	α_s / δ = 19mm	0.25	0.40	0.65	0.80	0.90	0.90	
Average sound absorption coefficient	α_w	0.65			-			EN ISO 20354
Average noise reduction coefficient	***NRC***	0.70			-			ASTM C 423 REV A
Acoustic insulation coefficient	**Hz**	**125**	**250**	**500**	**1000**	**2000**	**4000**	EN ISO 20 140 - 9
	dB	21.3	32.6	46.3	66.2	69.9	66.7	
Acoustic insulation coefficient	***Dncw***	42			dB			EN ISO 20 140 - 9
Bulgarian Technical Approval	Protocol № 04.65 / 01.12.2004г				SRICM, Sofia			EN 13 964
Sanitary Permit	RD № 856/13.12.2004 by Bulgarian Ministry of Health							
Quality Management System	Certificate № 653562 / 07.05.2002				Lloyd's Register Quality Assurance (LRQA)			ISO 9001:2000

Any information contained in this datasheet describes the product properties applicable as at the time of issue. With respect to continuous development of these materials, changes to their properties may take place from time to time.

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