

ACCO**Aerated Concrete Systems**

Producer of Autoclave Aerated Concrete Products

ACCO REINFORCED PANEL TECHNICAL SPECIFICATIONS

PRODUCTS	VERTICAL WALL	HORIZONTAL WALL	VERTICAL WALL BEARING	HORIZONTAL WALL BEARING	FLOOR PANEL	ROOF PANEL
DENSITY (Kg/m ³)	500	500	600	600	500	600
COMPRESSIVE STRENGTH (Kgf/cm ²)	35≤	35≤	50≤	50≤	35≤	50≤
ENVIRONMENTAL IMPACT CLASS	XD1	XD1	XD1	XD1	XD1	XD1
DIMENSIONS LENGTH (cm)	50 - 600	50 - 600	50 - 600	50 - 600	50 - 600	50 - 600
DIMENSIONS WIDTH (cm)	20-60	20-60	20-60	20-60	20-60	20-60
DIMENSIONS THICKNESS (cm)	7,5 - 40	7,5 - 40	7,5 - 40	7,5 - 40	7,5 - 40	7,5 - 40
DIMENSIONAL TOLERANCE CLASS	T1	T1	T1	T1	T1	T1
THICKNESS CLASS	Th1	Th1	Th1	Th1	Th1	Th1
THERMAL CONDUCTIVITY S1 W/m.Kλh 10 dry	0.15	0.15	0.19	0.19	0.15	0.19
FIRE REACTION CLASS	A1	A1	A1	A1	A1	A1
SHORT- TERM ADHERENCE CLASS	B1	B1	B1	B1	B1	B1
PRE-TENSION CLASS	P1	P1	P1	P1	P1	P1
SAFETY COEFFICIENT	1.9	1.9	1.9	1.9	2.3	2.3
REINFORCEMENT COATING THICKNESS (μ)	≤25	≤25	≤25	≤25	≤25	≤25
REINFORCEMENT YIELD STRENGTH (MpA)	500≤	500≤	500≤	500≤	500≤	500≤
REINFORCEMENT TENSILE STRENGTH (MpA)	550≤	550≤	550≤	550≤	550≤	550≤

ACCO FLOOR AND ROOF PANEL LENGTH TABLE (G4/600)

Thickness (cm)	Nominal Loads (Kgf/m ²)																
	90	120	150	180	210	240	270	300	350	400	450	500	600	700	800	900	999
10.0	3.5	3.25	3.05	2.85	2.70	2.55	2.10	2.35	2.30	2.10	2.00	1.90	-	-	-	-	-
12.5	4.4	4.10	3.85	3.65	3.45	3.30	3.45	3.05	2.90	2.75	2.60	2.50	-	-	-	-	-
15.0	5.2	4.90	4.65	4.40	4.20	4.00	4.20	3.75	3.55	3.35	3.20	3.10	2.85	2.70	2.55	2.40	2.30
17.5	5.95	5.65	5.35	5.10	4.90	4.70	4.90	4.35	4.15	3.95	3.80	3.65	3.4	3.20	3.00	2.85	2.75
20.0	6.00	6.00	6.00	5.75	5.55	5.30	5.55	4.95	4.75	4.50	4.35	4.15	3.9	3.65	3.45	3.30	3.15
22.5	6.00	6.00	6.00	6.00	6.00	5.80	6.00	5.45	5.20	4.95	4.75	4.60	4.3	4.05	3.85	3.65	3.50
25.0	6.00	6.00	6.00	6.00	6.00	6.00	6.00	5.65	5.40	5.15	4.95	4.80	4.5	4.25	4.05	3.85	3.70
27.5	6.00	6.00	6.00	6.00	6.00	6.00	6.00	5.80	5.55	5.35	5.15	4.95	4.65	4.40	4.20	4.00	3.85
30.0	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	5.75	5.55	5.35	5.15	4.85	4.60	4.35	4.15	4.00

Production Facilities in Turkey, Libya and Tunisia

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