

International Accreditation

Manufacture

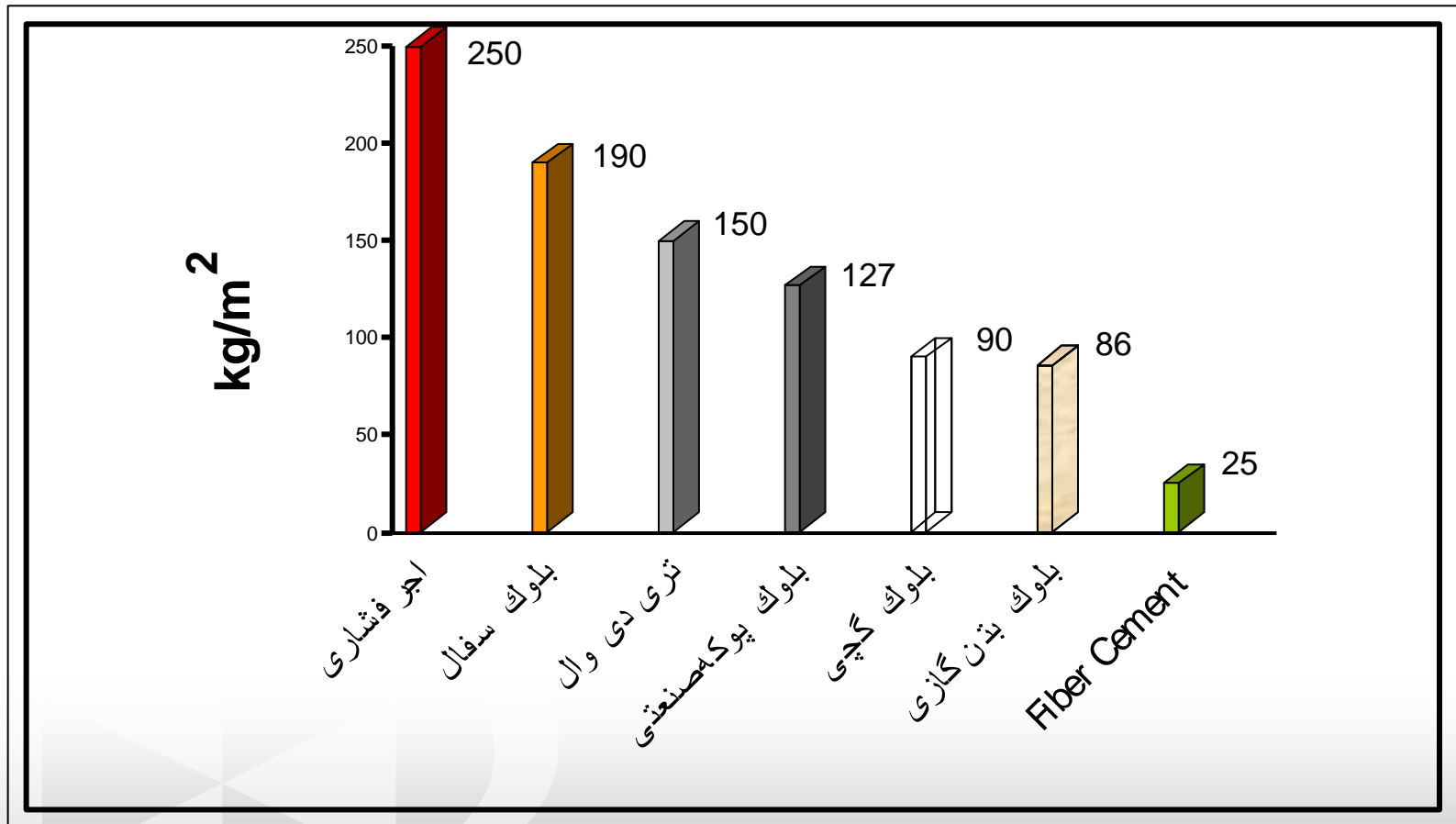
- ISO 9001: 2000
- ISO 14000

Products

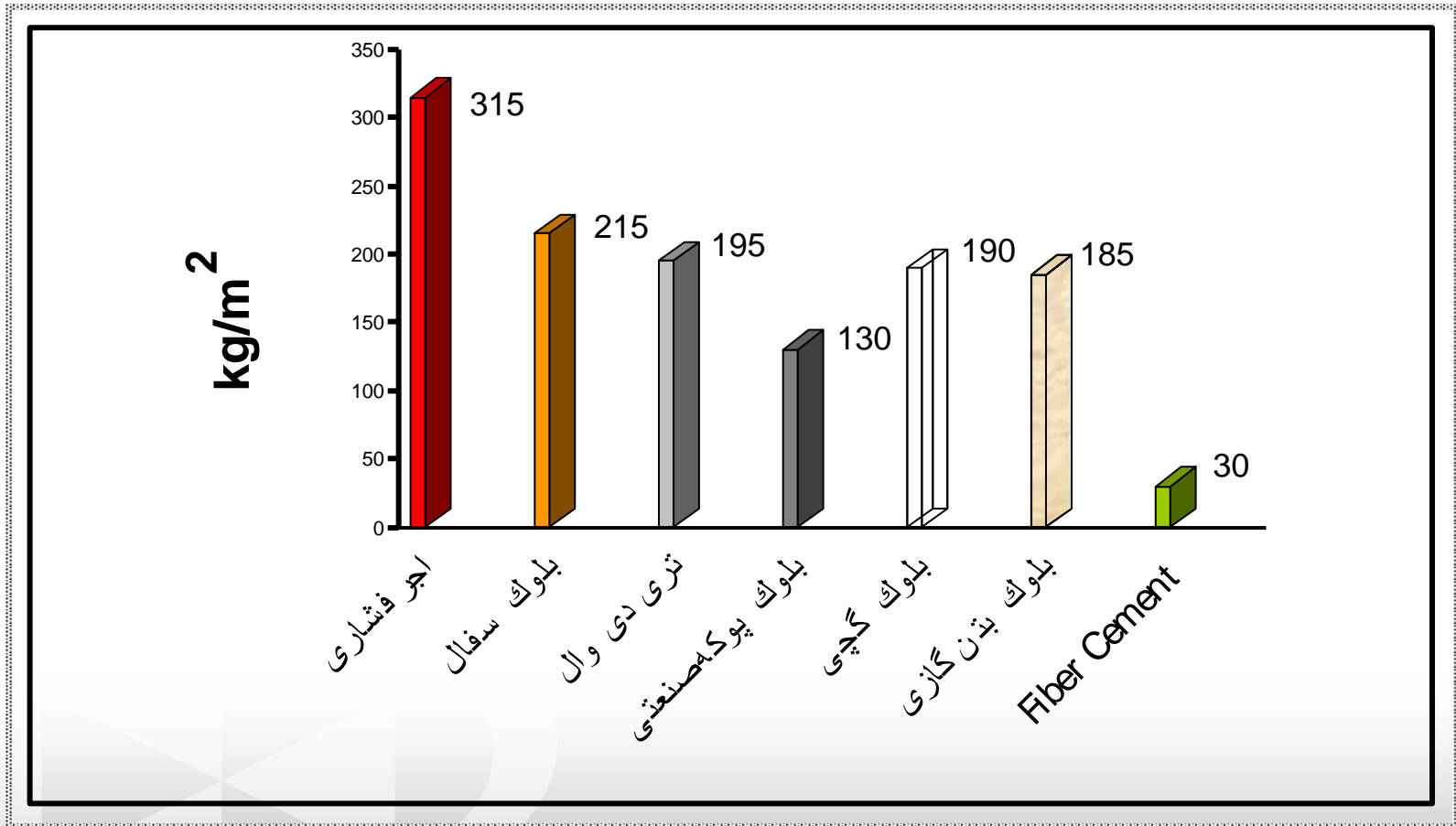
- ASTM C1185
- BS 476 Part 5, 6, 7
- EN 13501-1 : 2002
- EN 13823 : 2002
- EN 11925-2 : 2002
- CNS 6532
- BRL 4101
- TIS 1427 – 2540



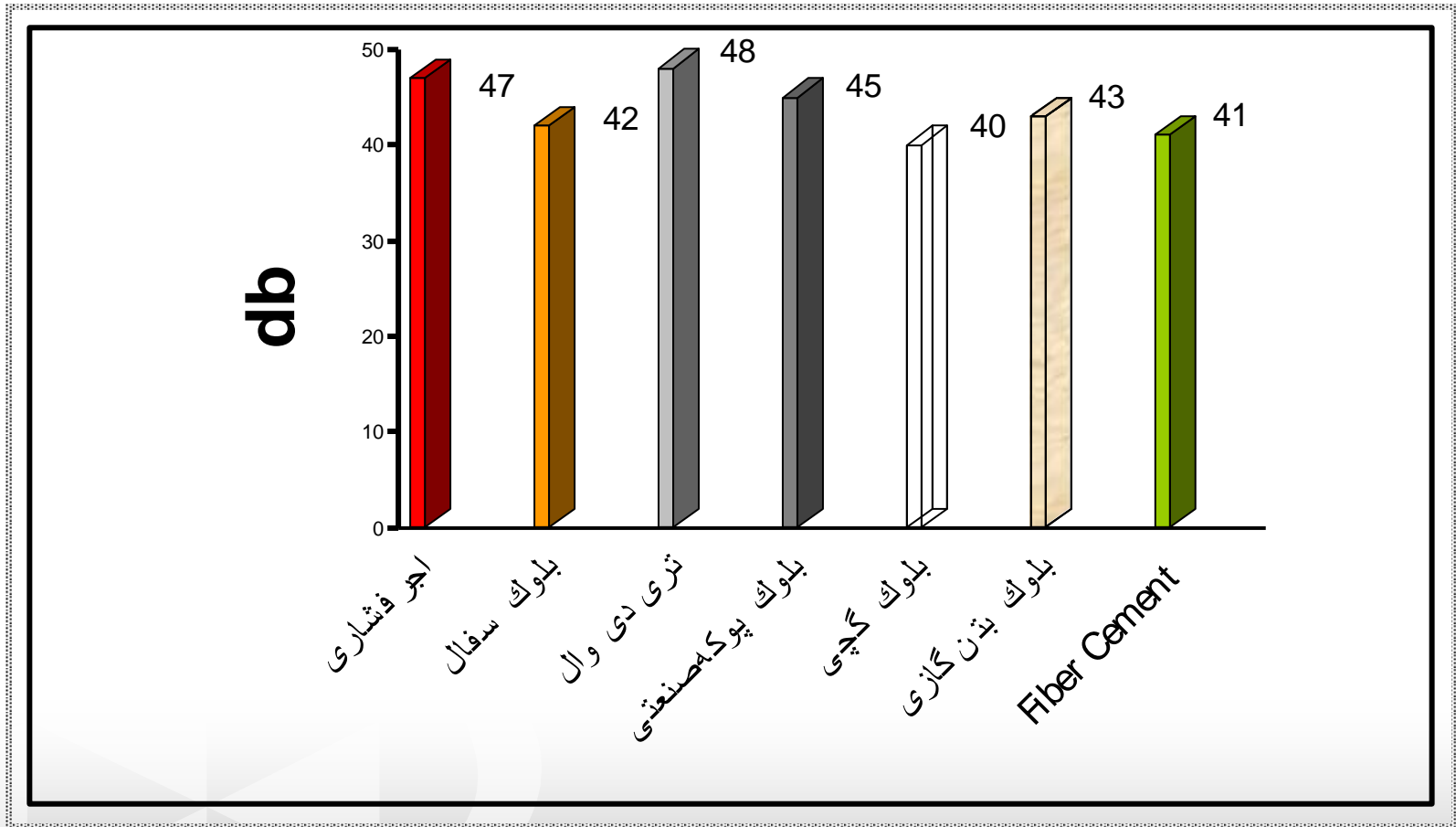
مقایسه وزنی دیوار داخلی با ضخامت متوسط 11cm



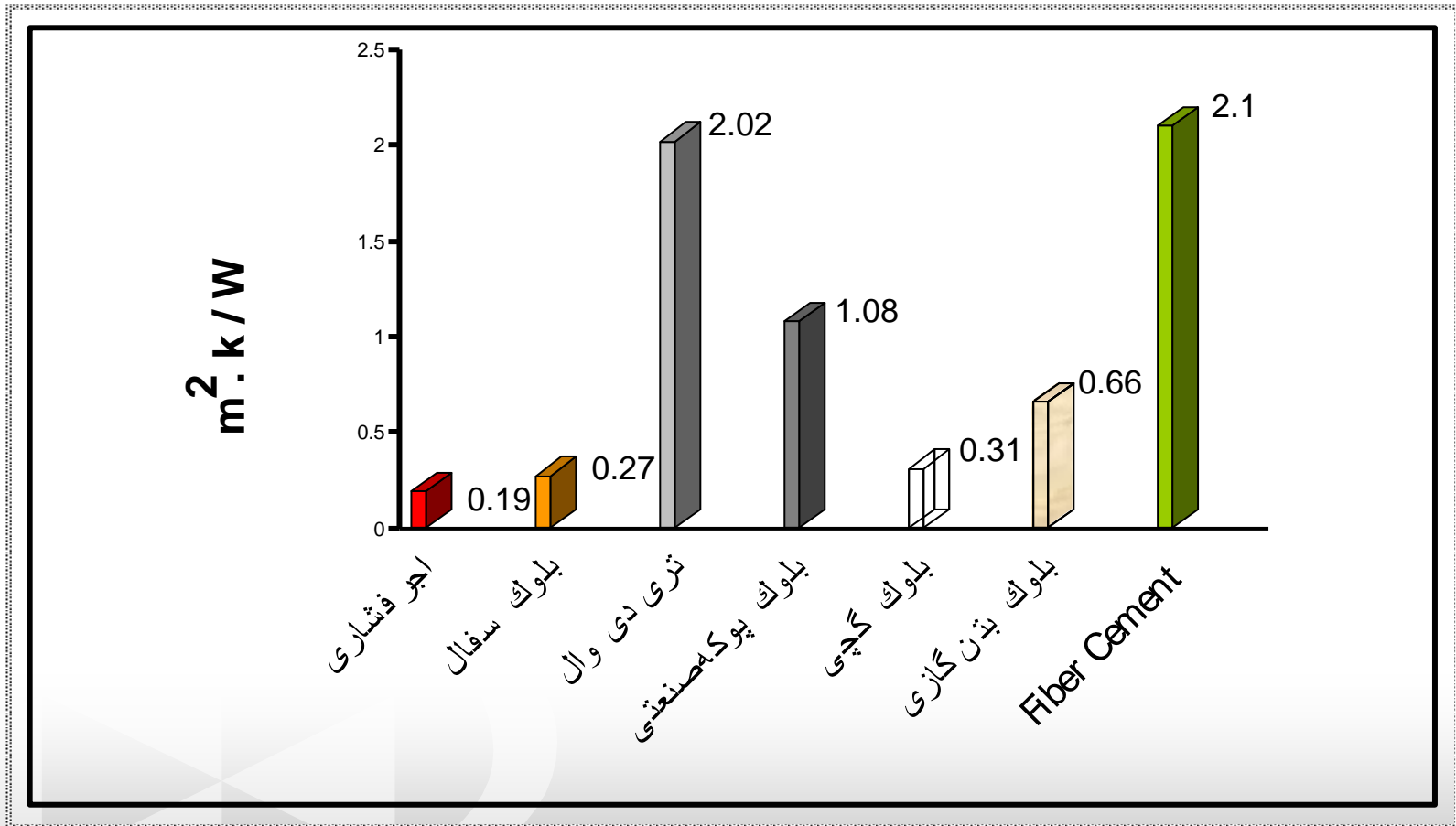
مقایسه متوسط وزنی دیوار خارجی با ضخامت متوسط 18cm



مقایسه شاخص کاهش صدا دیوار داخلی



مقایسه مقاومت حرارتی دیوار خارجی



International Accreditation: SHERA Board



Item	Description	Standard	Result of test
Mechanical and Physical Standard			
1	Flexural strength	ASTM C 1185	11.5 Mpa (EMC)
		ASTM C 1185	8.9 Mpa (Wet)
2	Modulus of Elasticity	ASTM C 1185	5354 Mpa (Wet)
3	Density	ASTM C 1185	1202 kg/m ³
		AS/NZS 2908.2:2000	1275 kg/m ³
4	Dimension and Tolerance	ASTM C 1185	
	- Thickness tolerance		+ 0.2 mm.
	- Squareness tolerance		1.23 mm/m
	- Edge straightness tolerance		0.2 mm/m
5	Water Absorbtion	ASTM C 1185	36.60%
6	Moisture Content	ASTM C 1185	0.62
7	Water tightness	ASTM C 1185	Pass
		AS/NZS 2908.2:2000	Pass
8	Moisture Movement	ASTM C 1185	-0.04%
9	Thermal Conductivity	ASTM C 177	0.15 W/m.K
10	Acoustic Insulation	ASTM E 80	STC = 31 dB (6 mm)
			STC = 32 dB (12 mm)
Fire resistance Standard			
11	Ignitibility	BS 476 Part 5	Pass
12	Fire Propagation Index	BS 476 Part 6	I = 0
13	Surface spread of flame	BS 476 Part 7	Class 1
14	Building Combustibility Test	CNS 6532	Class 1
Durability Standard			
15	Freeze/Thaw resistance	ASTM C 1185	R = 1.50
16	Warm water resistance	ASTM C 1185	R = 1.62
17	Heat/Rain resistance	ASTM C 1185	
18	Soak/Dry resistance	ISO : 8336 Part (E)	

International Accreditation: SHERA Plank



Item	Description	Standard	Result of test
Mechanical and Physical Standard			
1	Flexural strength	ASTM C 1185	19.2 Mpa (EMC)
		ASTM C 1185	13.2 Mpa (Wet)
2	Modulus of Elasticity	ASTM C 1185	7662 Mpa (Wet)
3	Density	ASTM C 1185	1186.7 kg/m3
4	Dimension and Tolerance	ASTM C 1185	
	- Thickness tolerance		+ 0.2 mm.
	- Squareness tolerance		1.23 mm/m
	- Edge straightness tolerance		0.2 mm/m
5	Water Absorption	ASTM C 1185	39.40%
6	Moisture Content	ASTM C 1185	0.37
7	Water tightness	ASTM C 1185	Pass
8	Moisture Movement	ASTM C 1185	-0.04%
Fire resistance Standard			
11	Ignitibility	EN 11925-2:2002	see test result
12	Single Burning Item	EN 13823:2001	see test result
13	Recation to Fire Classification	EN 13501-1:2002	A2-s1,d0
Durability Standard			
14	Freeze/Thaw resistance	ASTM C 1185	R = 1.36
15	Warm water resistance	ASTM C 1185	R = 2.33
16	Heat/Rain resistance	ASTM C 1185	
17	Soak/Dry resistance	ISO : 8336 Part (E)	