Table 2

Essential Characteristics	Clauses in this and other European standard(s) related to essential characteristics	Harmonized standard EN 13162:2012+A1:2015	Product			
			DUROCK	HARDROCK MAX	DACHROCK	ROCKFALL
			Declared value / NPD [1]			
Reaction to fire	4.2.6 Reaction to fire	Euroclasses	A1	A1	A1	A1
Release of dangerous substances to the indoor environment	4.3.13 Release of dangerous substances	EU level not yet available	[c]	[c]	[c]	[c]
Acoustic absorption index	4.3.11 Sound absorption	α_p (API[a]) and α_w, (AWi[a]) declared	NPD	NPD	NPD	NPD
Impact noise transmission index (for floors)	4.3.9 Dynamic stiffness	s', SDi[a] declared	NPD	NPD	NPD	NPD
	4.3.10.2 Thickness, d_L	d_L and classes for thickness tolerances T6 or T7	NPD	NPD	NPD	NPD
	4.3.10.4 Compressibility c	CPi[a] declared	NPD	NPD	NPD	NPD
	4.3.12 Air flow resistivity	AF_i[a] declared	NPD	NPD	NPD	NPD
Direct airborne sound insulation index	4.3.12 Air flow resistivity	AF_i[a] declared	NPD	NPD	NPD	NPD
Continuous glowing combustion	4.3.15 Continuous glowing combustion	EU level not yet available	[b]	[b]	[b]	[b]
Thermal resistance	4.2.1 Thermal resistance and thermal conductivity	Thermal conductivity λ (W/mK)	0,040	0,040	0,040	0,040
		Thermal resistance R	see product label			
	4.2.3 Thickness	Thickness range (mm)	50-200	50-200	40-200	20-200
		Ti[a] class for thickness tolerance	T4	T4	T5	T5
Water permeability	4.3.7.1 Short term water absorption	WS- declared W_p; (kg/m²)	≤ 1	≤ 1	≤ 1	≤ 1
	4.3.7.2 Long term water absorption	WL(P) - declared W_{lp}; (kg/m²)	≤ 3	≤ 3	≤ 3	≤ 3
Water vapour permeability	4.3.8 Water vapour transmission	Declared μ; (MUi[a]) or Zi[a]	MU1	MU1	MU1	MU1
Compressive strength	4.3.3 Compressive stress or compressive strength	CS(10)i[a] or CS(10\Y)i[a] declared (kPa)	CS(10)60*) *) for top layer CS(10)80	CS(10)70*) *) for top layer CS(10)90	CS(10)70	CS(10)70
	4.3.5 Point load	PL(5)i[a] declared (N)	PL(5)700	PL(5)800	PL(5)650	PL(5)650
Durability of reaction to fire against heat, weathering, ageing/degradation	4.2.7 Durability characteristics	[2] Euroclasses	A1	A1	A1	A1
Durability of thermal resistance against heat, weathering, ageing/degradation	4.2.1 Thermal resistance and thermal conductivity	[2] declared R and λ (W/mK) if possible	see product label			
			0,036	0,036	0,038	0,038
	4.2.7 Durability characteristics	DS(70,-) declared The relative changes in thickness	≤1%	≤1%	≤1%	≤1%
		DS(70,90) declared The relative changes in thickness	≤1%	≤1%	≤1%	≤1%
Tensile strength	4.3.4 Tensile strength perpendicular to faces	TRi[a] declared (kPa)	TR10	TR10	TR15	TR10
Durability of compressive strength against ageing/degradation	4.3.6 Compressive creep	CC(i_1 [a] /i_2 [a]) σ_c compressive creep declared X_{ct} and X_t	NPD	NPD	NPD	NPD

[1] No performance determined (NPD); [2] no change with time; [a] "i" indicates relevant class of level or declared value; [b] national regulations not available; [c] according to national regulations; see: Safety Use Instruction Sheet;