"CERRAD" Sp. z o.o.
ul. Radomska 49/B
27-200 Starachowice
Regon 670754817 NIP 796-10-12-611
tel. 41 275 54 33

Starachowice, 12.07.2017

TECHNICAL CHARACTERISTICS EN

no. 11

Dry Pressed Ceramic tiles with low water absorption of Group $BI_{a\,GL}$ E ≤ 0,5%
Annex G, Universal tiles – GL

COLLETION NAME	COLOUR	SURFACE
CELTIS	HONEY, DUST, NUGAT	SMOOTH

	PHYSICAL PROPERTIES	NORM	REQUIREMENTS	MEAN VALUE ACHIEVED	
	WATER ABSORPTION [%]	PN-EN ISO 10545-3	< 0,5	< 0,2	
	MODULUS OF RUPTURE [N/mm²]	PN-EN ISO 10545-4	≥ 35	≥ 50	
	BREAKING STRENGTH [N]	PN-EN ISO 10545-4	> 1300	> 2100	
	FROST RESISTANCE	PN-EN ISO 10545-12	required	resistent	
	ABRASION RESISTANCE	PN-EN ISO 10545-7	required	DUST	5/1200
				HONEY	4/6000
				NUGAT	3/1500
	RESISTANCE TO HOUSEHOLD CHEMICALS	PN-EN ISO 10545-13	min. GB	Ammonium chloride solution	A
				Sodium hypochlorite solution	A
	RESISTANCE TO HIGH OR LOW CONCENTRATION OF ACIDS OR ALKALIS	PN-EN ISO 10545-13	declared	Hydrochloric acid solution, 3%	LA
				Citric acid solution 100g/l	LA
				Potassium hydroxide solution, 30g/l	LA
				Hydrochloric acid solution, 18%	HA
				Lactic acid solution, 5%	HA
				Potassium hydroxide solution, 100g/l	HA
	RESISTANCE TO STAINING	PN-EN ISO 10545-14	min. 3	5	
	CRAZING RESISTANCE	PN-EN ISO 10545-11	required	resistent	
	NON- SLIP QUALITIES	DIN 51130	-	R9	
	THERMAL SHOCK RESISTANCE	PN-EN ISO-10545-9	required	resistent	

REFERENCE DOCUMENT: DECLARATION OF PERFORMANCE NO. 7A CPR

Signed for and on behalf of the manufacturer by:

Główny Technolog
Izabela Puchyrska