

ISOLEIKA'S MICROPOROUS & CALCIUM SILICATE & MINERAL FIBER TEMPERATURES ON EXTERIOR SURFACE

Passion for insulation

CALCULATION OF THERMAL CONDITIONS: VERTICAL FLAT SURFACE, ENVIRONMENTAL TEMPERATURE (20°C), COLD FACE EMISSIVITY (0.9), WIND SPEED (0)

TEMPERATURE OF HOT SURFACE (°C)																							
		200°C			400°C			500°C			600°C			800°C			900°C			1000°C			
THICKNESS OF INSULATION PANEL mm		Microp ISO-NUD	Calcium Silicate	Mineral Fibre	Microp ISO-NUD	Calcium Silicate	Mineral Fibre	Microp ISO-NUD	Calcium Silicate	Mineral Fibre	Microp ISO-NUD	Calcium Silicate	Mineral Fibre	Microp ISO-NUD	Calcium Silicate	Mineral Fibre	Microp ISO-NUD	Calcium Silicate	Mineral Fibre	Microp ISO-NUD	Calcium Silicate	Mineral Fibre	
	7	60	88	83	96	161	168	113	196	225	129	237	270	158	313	379	172	347	443	185			
	10	51	75	71	80	138	144	94	167	182	107	197	236	131	263	336	143	293	378	154			
	15		63	59	65	114	119	76	138	151	86	163	185	105	220	272	115	246	326	123			
	20		55		57	94	95	65	119	131	74	141	161	90	185	240	98	215	275	105			
	25					84	85	58	106	117	66	126	144	80	165	217	86	185	249	93			
	30					76	77		92	107	60	114	131	72	150	186	78	169	229	84			
	35					71	71		85	90	55	105	121	66	138	172	72	156	213	77	Too hot	Too hot	
	40					66	66		79	84		93	113	62	129	161	67	145	187	71			
	45					62	62		74	78		87	97	58	121	151	63	136	176	67			
	50					59	59		70	74		82	91		114	143	59	128	166	64			
	100											57	63		-	-		-	-				
	150														59	71		-	-				
	190																58	73					

Calcium silicate (240kg/m³) Mineral Fibre (100 Kg/m³) Both materials maximum Hot face temperature limit of 900°C

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