

Skamol Americas, Inc. 8318 Pineville-Matthews Road, Charlotte,
NC 28226

STATIONARY H E A T T R A N S I T I O N CALCULATION, 12-08-
2005 19:35:45h

for Comp.:Halem order-N° :
plant :Kent, Ohio referee :

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Skamol A/S,

calculation-N° 10

extern calm air, vertical surface

emission grade = 0.900 surface paint-coated metal

heat transf.coeff.= 2.09 BTU/ft²hF after ASTM C 680-89

	row	thickness	material	temperature[°F]
+)therm.cond.	weight			
	[in]			-----row/middle
BTUin/ft ² hF	mat-N°	lb/ft ²		
				-----1700 -----

9541		2 V 1100 (600),slabs	1422	0.895
	6			
			-----1143 -----	
6704		2 Super 1100E,calcium-silicate slabs	666	0.521
	25			
			----- 187.0 -----	

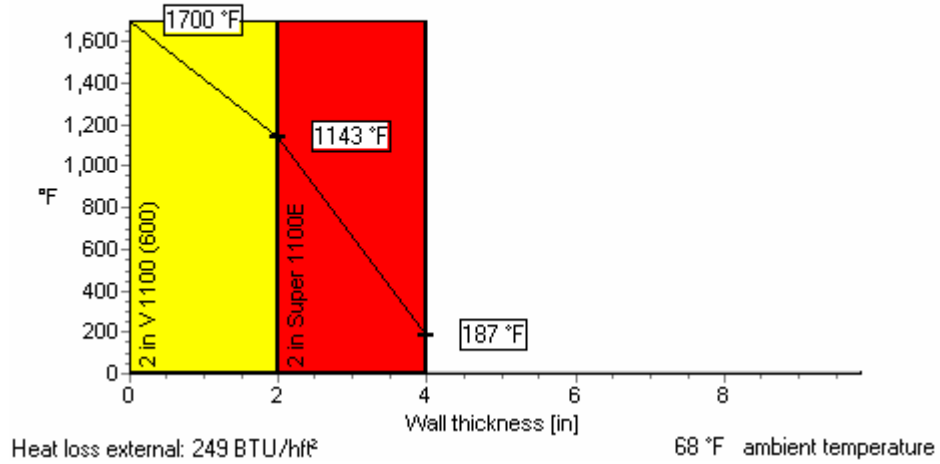
4=wall thickness total lb/ft²
exter.S. = 32

ambient temperature 68
heat loss 249

BTU/hft²

at relat. humidity 70 % ->dew point 57.2°F, absol. humidity
12.1 g/m³hum

plant: Kent, Ohio Skamol A/S, calculation-Nº: 10
 location: , date: 12-08-2005



Material table

remarks	Skamol A/S,12-08-2005	density therm.cond. [BTUin/ft2hF]			
		designation	lb/ft3	392	1112
	9541)V 1100 (600),slabs	37.00	1.024	1.386	-2.018
	6704)Super 1100E,calcium-silicate slabs	152.95	0.416	0.693	1.109

Heat transition calculations are theoretical and calculated depending on the well known parameters as therm. cond, heat transfer coef., wall thickness. etc.
 Heat-bridges as anchors, openings, mortar-joints are not regarded.
 All data are calculated only with the usual tolerances.