

ThermoDyn[®]

Innovation in Baustoffe



PRODUKT - CERTIFICATE

Technical date:

✚ Structure thic knis:	8 – 800 mm (40 Standard)
✚ Test thic knis:	40 mm
✚ Standart mass: (1000x1000x 10mm)	6,87 kg/m ²
✚ Stretch with break:	37% DIN EN ISO 1798
✚ Gross density:	687,1 kg/m ³
✚ Pressure strength:	1,0 N/mm ² = 10,0 kg/cm ²
✚ Flectional resistance to extension:	0,7 N/mm ² DIN 18560-3
✚ Impact sound improvement measure: (determined from the dynamic rigidity)	19 – 32 dB (Increase depending upon thickness and conection)
	T=20mm +19dB; T=30mm +22dB; T=40mm +25dB; T=50mm +27dB; T=80mm +32 dB
✚ Chemical stability:	Steadily gg. oils, fungal attack, insekts and microbes. Causes steady gg. acids and caustic solutions.
✚ Water vapor diffusion:	steam permeable
✚ Degassing:	after > 48h solvent free
✚ Cold resistently:	- 40 °C
✚ Heat resistently:	+ 110 °C
✚ Heat conductivity:	λ _z 0,13 W/(m ² K)
✚ Fire class DIN 4102-1 Absch. 6.2	B2 bestanden



Ceramix AG Nürnberg						
Prüfbericht Nr.: ThermoDyn						
BESTIMMUNG DER WÄRMELEITFÄHIGKEIT						
Probe	ThermoDyn					
Abmaße [mm]	100x 100 x 40,5					
Prüfdatum	26.09.2005					
Bemerkungen						
Messung Nr.	Wärmestrom (W)	Temperatur der kalten Probenoberfläche (°C)	Temperatur der warmen Probenoberfläche (°C)	Temperaturdifferenz an der Probe (K)	Mitteltemperatur der Probe (°C)	Wärmeleitfähigkeit (W/(m*K))
1	0.33	3.8	14.7	10.9	9.2	0.12089
2	0.36	14.2	25.1	10.9	19.6	0.12966
3	0.36	24.5	35.4	10.9	30.0	0.13221

W/(m*K)

Lambda (10°C) = 0.12234 W/(m*K)

Dipl.-Ing. Stephan Schmid, 29.09.2005

