ThermoDyn®
Innovation in Baustoffe

Produkt Nr.:
ThermoDyn –TD-020-01-01-1001

Roßmoos 20
D-87629 Füssen-Weißensee
Tel.: + 49 (0) 83 63 / 55 31
Fax: + 49 (0) 83 63 / 9 41 89
www.thermodyn.de
info@thermodyn.de

ThermoDyn®

Innovation in building materials

Classic

PRODUKT-DATENBLATT

Technical data: (guide values

Body rhickness: (Installation thicknesses: Concrete from 10mm, wood from 30mm, other load-bearing and stable substrates from 30mm, pipe covering from 20mm)		from 10 – min. 450 mm (40 standard)
Test thickness:		40 mm
Bag-volume (loose filling incl. bottle)		approx. 36 Liter
Elongation at break		37% DIN EN ISO 1798
Bulk density (sample density)		< 690 kg/m^3
Compressive strength (incl. filler and collar)	after 3 Tagen after 28 Tagen	1,1 MPa = 1,1 N/mm^2 31 MPa = 31 N/mm^2
Bending tensile strength (with filler)		0,68 N/mm^2 DIN 18560-3
Adhesive strength:		ßHZ 28d > 3 MPa (with flller)
Dyn. modulus of elasticity (with filler)		25 GPa = 25.000 N/mm^2
Impact sound improvement (Calculated value / dynamic stiffness)		19 – 38 dB possible (Wertänderung je nach Dicke und Art der Verbindung)
Chemical resistance		Resistant to oils, fungal infestation, insects and microbes Limited resistance to acids and alkalis.
Water vapour diffusion		Vapour permeable
Outgassing		after > 48h solvent free (20°C room temperature)
Resistant to cold		approx. - 50 °C
Heat resistant		+ 110 °C (up to 1200 °C)
Thermal conductivity		λ_z 0,122 W/(m^{2}K)
Fire class DIN 4102-1 In testing	(F60)	B1 - non-flammable (as base material) A2 - non-flammable (with filler >10mm)
Underfloor heating - Flow temp		max. 65°C
Mal-Code		00-3
Customs fee number.:	Granules Binder	32149000 39093900
UFI-Code	Granules Binder	FXQR-1NAW-JKK7-T473 XX02-907N-MK5G-ER11

Roßmoos 20
D-87629 Füssen-Weißensee
Tel.: + 49 (0) 83 63 / 55 31
Fax: + 49 (0) 83 63 / 9 41 89
www.thermodyn.de
info@thermodyn.de

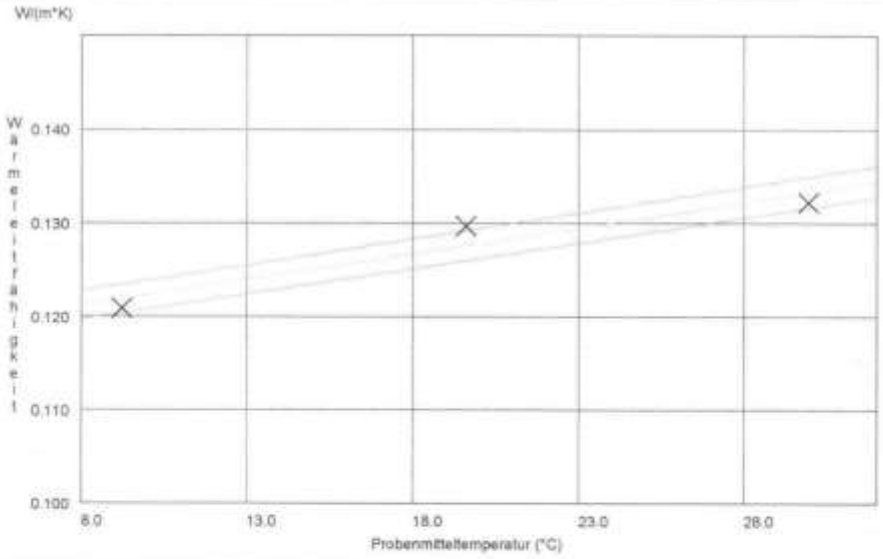
Ceramix AG Nürnberg

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



Lambda (10°C) = 0.12234 W/(m*K)

Dipl.-Ing. Stephan Schmid, 29.09.2005