ThermoDyn®
Innovation in Baustoffe

Produkt Nr.:
ThermoDyn –TD-020-01-01-1010

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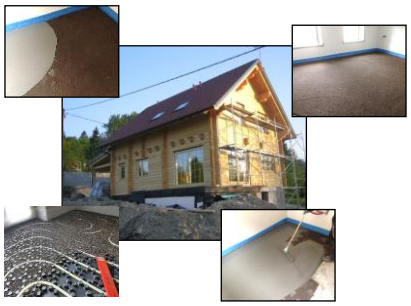
ThermoDyn®

Innovation in building materials

Classic 0-2 mm

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 2 – min. 100 mm
Test thickness:		40 mm
Bag-volume (loose filling incl. bottle)		approx. 20 Liter
Elongation at break		28% DIN EN ISO 1798
Bulk density (sample density)		880 kg/m^3
Compressive strength (incl. filler and collar)	after 3 Tagen after 28 Tagen	1,7 MPa = 1,7 N/mm^2 36 MPa = 36 N/mm^2
Bending tensile strength (with filler)		0,83 N/mm^2 DIN 18560-3
Adhesive strength:		ßHZ 28d > 4,2 MPa (with filler)
Dyn. modulus of elasticity (with filler)		25 GPa = 25.000 N/mm^2
Impact sound improvement (Calculated value / dynamic stiffness)		17 – 28 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 0,135 W/(m^{2}K)
Fire class DIN 4102-1		B1 - non-flammable (as base material)
In testing	(F60)	A2 - non-flammable (with filler >10mm)
Underfloor heating - Flow temp		max. 65°C
Mal-Code		00-3
Customs fee number.:	Granules Binder	68062010 39093900
UFI-Code	Granules Binder	FXQR-1NAW-JKK7-T473 XX02-907N-MK5G-ER11