

PLAKA – Plaka dBreak ISOMUR PK-CT
Acoustical bearing strip for walls

REF 12.04.07 - Version V02 – 21/12/2020



Description

ISOMUR PK CT is an acoustical insulation strip made out of rubber granulates, bound with PU-glue. ISOMUR PK CT reduces the expansion of sound vibrations through the structure (wall-wall, wall-floor,...). To reduce the transmission of flanking sound and to achieve an increased acoustic comfort, it is necessary to decouple walls at the top and/or bottom by mean of an elastic bearing ISOMUR PK CT. These ISOMUR PK CT strips are suitable for non-load-bearing / and load-bearing walls. If the loads exceed 1.1 MPa (= 1.1 N/mm²), we recommend you to contact us.

Application fields

The ISOMUR PK CT strips will be used as flexible bearings of walls and floor slabs, in order to obtain an acoustic uncoupling and to reduce vibration transmission through the wall.

Main applications : apartments and terraced houses.

In case of interrupted floor slabs, the elastic strips ISOMUR PK CT will be installed at the foot of the walls. In case of uninterrupted floor slabs it is necessary to disconnect the walls by mean of acoustic ISOMUR PK CT strips, both at the bottom and the top of the wall.

Properties

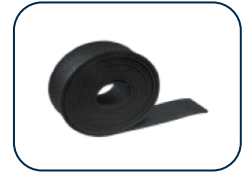
Material		Recycled rubber granules, bound with PU-glue
Thickness		10 mm
Standard widths		80, 100, 150, 200 mm (other widths available on request)
Length (on roll)		6 m
Density	ASTM F104	730 kg/m ³ (+/- 30 kg/m ³)
Load range		0.1 to 1.1 MPa
Compression		0.8mm at 0.2MPa 1.4mm at 0.4MPa 1.8mm at 0.6MPa 2.4mm at 1.1 MPa
Natural frequency		Varies from 23 to 40 Hz in function of the mass
Tensile strength	ISO 37	> 0.5 MPa
Elongation at break	ISO 37	> 45%
Hardness - shore	ASTM D2240	35 – 45 °A
Temperature range		-40 to 80°C
Thermal conductivity	DIN 52612	0.14 W/m.K
Fire class		M3
Chemical resistance		Resistant to water and many acids and bases; chemically neutral; UV resistant

* Material datasheet available on request

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Dimensions

Description	Material dimensions				Code
Acoustic bearing strips ISOMUR PK CT	W mm	T mm	m/box	Kg/m	
	80	10	6	0.58	HUISOMURPKCT10080
	100	10	6	0.73	HUISOMURPKCT10100
	150	10	6	1.10	HUISOMURPKCT10150
	200	10	6	1.46	HUISOMURPKCT10200

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