



dBred VF

ANTI-RESONANT ELASTIC MAT

Composition: high quality pure foam, in variable and checked density

Color: different colour according to different density

- used for active isolation of machinery, such as lathes, presses, sensitive measuring equipment and all areas where noise is a general nuisance. Highly recommended to isolate inertia pits and foundation blocks.
- rail, road and tunnel construction.

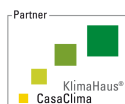
Application fields:

- used in the foundations of buildings to isolate the structure from ground-borne noise and vibrations.
- provides excellent acoustic properties when isolating general mechanical plant such as pump and lift motors, air conditioning units, etc.
- excellent impact resistance properties. It can be used to isolate battens, stair treads and general floating floors from impact sound.

Packaging:

Product	Color	Thickness mm	Roll Dimensions cm	Q.ty per roll m ²	Rolls per pallet n°	Q.ty per pallet m ²	Pallet weight kg
dBred V150/12	beige	12	150x500	7,5	12	90	182
dBred V150/25	beige	25	150x500	7,5	6	45	189
dBred V220/12	purple	12	150x500	7,5	12	90	258
dBred V220/25	purple	25	150x500	7,5	6	45	268
dBred V300/12	turquoise	12	150x500	7,5	12	90	344
dBred V300/25	turquoise	25	150x500	7,5	6	45	358
dBred V400/12	brick red	12	150x500	7,5	12	90	452
dBred V400/25	brick red	25	150x500	7,5	6	45	470
dBred V510/12	orange	12	150x500	7,5	12	90	571
dBred V510/25	orange	25	150x500	7,5	6	45	594
dBred V680/12	brown	12	150x500	7,5	12	90	754
dBred V680/25	brown	25	150x500	7,5	6	45	785

Application warnings: consult dBred Technical Department



dBred VF_2010-01-27.doc



Technical characteristics:

			dBred V150	dBred V220	dBred V300	dBred V400	dBred V510	dBred V680
Specific weight	Kg/m ³	DIN 53420	150	220	300	400	510	680
Bedding modulus	N/mm ³	DIN 18134*	0,0038	0,011	0,025	0,037	0,072	0,327
Compression set	%	DIN 53572**	2,5	2,4	2,2	2,4	2,8	2,9
<u>Tensile strength</u>	N/mm ²	DIN 53571	0,42	0,56	0,78	1,30	1,5	2,47
Elongation at break	%	DIN 53571	270	260	240	290	290	310
Tear resistance	N/mm	DIN 53515	2,65	3,38	4,85	7,38	8,28	14,4
Mechanical loss factor	-	DIN 53513	0,25	0,20	0,14	0,1	0,1	0,08
Fire resistance	-	DIN 4102	B2	B2	B2	B2	B2	B2
Static modulus of elasticity	N/mm ²	-	0,025-0,16	0,05-0,38	0,14-0,75	0,39-1,27	1,49-2,25	3,0-3,9
Dynamic modulus of elasticity	N/mm ²	DIN 53513'	0,11-0,32	0,30-0,69	0,60-1,30	1,07-1,8	2,63-3,35	4,8-5,6
Permanent static load range	N/mm ²	-	0-0,010	0-0,025	0-0,05	0-0,10	0-0,20	0-0,4
Rare, short term loads/load picks	N/mm ²	-	Up to 0,05	Up to 1,0	Up to 2	Up to 3	Up to 4	Up to 5
Temperature resistance	°C	-	-20 a +80	-20 a +80	-20 a +80	-20 a +80	-20 a +80	-20 a +80

* Measured at a maximum continuous load of 0,10 N/mm² and a material thickness of mm. 25

** Measured 30 minutes after decompression with 50% deformation / 23°C after 70hrs

' Dependent on load frequency

All the indications provided in this technical data sheet are purely approximate and not binding for legal purposes. The data listed has been gathered from laboratory tests and it hence follows that in practical applications on buildings sites the final characteristics of the products may be subject to substantial variations depending on the meteorological conditions and the installations. The user must always check suitability of the product for its specific use, undertaking all liability implicit in and deriving from use of the product, as well as comply with all the methods and instructions for use generally referable to "workmanlike" execution. Edilteco S.p.A. reserves the right to change the contents of this technical data sheets on its final judgements. The spreading of this data sheet through any media, supersedes and cancels the validity of any other technical data sheet previously published.



dBred_VF_2010-02-24.doc