



DBRED DUETTO F3+3

ELASTIC MAT FOR IMPACT SOUND INSULATION

DBRED DUETTO F3+3 Thermo-joined acoustic insulation - Rubber SBR/MDI - Cross-linked polyethylene						
COMPOSITION	Selected SBR rubber bound with polyurethane resins (MDI), thermo-joined to cross-linked polyethylene foam.					
COLOUR	Black and grey.					
THICKNESS	Rubber thickness: 3 mm - Polyethylene thickness: 3 mm - Total thickness: 6 mm					
FIELDS OF APPLICATION	Under screed, under floating floor.					
PACKAGING	ROLL DIMENSIONS	QUANTITY PER ROLL	ROLLS PER PALLET	QUANTITY PER PALLET	PALLET WEIGHT	
	150 x 700 cm	10,5 m ²	n° 15	157,5 m ²	~ 372 kg	
APPLICATION	Consult the "dBred Application Manual" or contact <i>Edilteco Technical Department</i> .					
TECHNICAL CHARACTERISTICS	CHARACTERISTIC	VALUE	NORM			
	Unit weight:	~ 2,22 kg/m ²	-			
	Thermal conductivity λ_0 :	0,049 W/mK	UNI EN 12667			
	Compressibility level:	CP2	UNI EN 12431			
	Dynamic stiffness s'_t :	53 MN/m ³	UNI EN 29052-1			
	Impact sound pressure level L'_{nw} :	screed 4 cm:	59 dB	UNI EN ISO 140-7 *		
		screed 6 cm:	57 dB			
screed 8 cm:		56 dB				
Impact sound insulation ΔL_w :	29 dB	-				
SBR RUBBER						
COMPOSITION	Selected SBR rubber bound with polyurethane resins (MDI).					
COLOUR	Black.					
THICKNESS	3 mm					
TECHNICAL CHARACTERISTICS	CHARACTERISTIC	VALUE	NORM	NOTES		
	Specific weight:	~ 710 kg/m ³	-	-		
	Tensile strength MPa:	~ 0,4 N/mm ²	DIN 53571	Specification B		
	Elongation at break:	~ 40 %	DIN 53571	Specification B		

* Corresponding to the current UNI EN ISO 16283-2.



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	CHARACTERISTIC	VALUE	NORM	NOTES
TECHNICAL CHARACTERISTICS	Stress at 25% compression:	~ 0,70 N/mm ²	DIN EN ISO 3386-2	-
	Temperature resistance:	from -40 to +115 °C	-	-
	Fire reaction:	B2 Class	DIN 4102	-

CROSS-LINKED POLYETHYLENE

COMPOSITION	Crosslinked polyolefin foam.
COLOUR	Grey.
THICKNESS	3 mm

	CHARACTERISTIC	VALUE	NORM	
TECHNICAL CHARACTERISTICS	Specific weight:	~ 31 kg/m ³	ISO 845	
	Tensile strength MPa:	long. 0,20 - transv. 0,20	ISO 1798	
	Elongation at break %:	long. 140 - transv. 135		
	Compression strength kPa:	10%	15	ISO 3386-1
		25%	36	
		50%	106	
	Dimensional stability:	105 °C	ISO 2796	
	Hardness shore:	0/5	16	ISO 868
		00/10	52	
		A	12	
	Flammability < 100 mm/min :	> 10	DIN 75200	
	Compression set %:	25% - 22 h, 23 °C, 0,5 h	12	ISO 1856
25% - 22 h, 23 °C, 24 h		6		
50% - 22 h, 23 °C, 0,5 h		28		
50% - 22 h, 23 °C, 24 h		20		

All the indications provided in this technical sheet are purely approximate and not binding for legal purpose. The data listed has been gathered from laboratory test and it hence follows that in practical applications on building sites the final products may be subject to variations depending on meteorological conditions and the installation. 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 methods and instruction for use generally referable to "workmanlike" execution. Edilteco S.p.A reserves the right to change the contents of this mechanical data sheet on its final judgment. The spreading of this data sheet through any media, supersedes and cancels the validity of any other technical data sheet previously published.



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DBRED DUETTO F5+4

ELASTIC MAT FOR IMPACT SOUND INSULATION

DBRED DUETTO F5+4						
Thermo-joined acoustic insulation - Rubber SBR/MDI - Cross-linked polyethylene						
COMPOSITION	Selected SBR rubber bound with polyurethane resins (MDI), thermo-joined to cross-linked polyethylene foam.					
COLOUR	Black and grey.					
THICKNESS	Rubber thickness: 5 mm - Polyethylene thickness: 4 mm - Total thickness: 9 mm					
FIELDS OF APPLICATION	Under screed, under floating floor.					
PACKAGING	ROLL DIMENSIONS	QUANTITY PER ROLL	ROLLS PER PALLET	QUANTITY PER PALLET	PALLET WEIGHT	
	120 x 1500 cm	18 m ²	n° 6	108 m ²	~ 330 kg	
APPLICATION	Consult the "dBred Application Manual" or contact <i>Edilteco Technical Department</i> .					
TECHNICAL CHARACTERISTICS	CHARACTERISTIC	VALUE	NORM			
	Unit weight:	~ 2,88 kg/m ²	-			
	Thermal conductivity λ_0 :	0,054 W/mK	UNI EN 12667			
	Compressibility level:	CP2	UNI EN 12431			
	Dynamic stiffness s'_t :	35 MN/m ³	UNI EN 29052-1			
	Impact sound pressure level L'_{nw} :	screed 4 cm:	52 dB	UNI EN ISO 140-7 *		
		screed 6 cm:	48 dB			
screed 8 cm:		48 dB				
Impact sound insulation ΔL_w :	38 dB	UNI EN ISO 140 - 7 *				
SBR RUBBER						
COMPOSITION	Selected SBR rubber bound with polyurethane resins (MDI).					
COLOUR	Nero.					
THICKNESS	5 mm					
TECHNICAL CHARACTERISTICS	CHARACTERISTIC	VALUE	NORM	NOTES		
	Specific weight:	~ 550 kg/m ³	-	-		
	Tensile strength MPa:	~ 0,30 N/mm ²	DIN 53571	Specification B		
	Elongation at break:	~ 50 %	DIN 53571	Specification B		

* Corresponding to the current UNI EN ISO 16283-2.



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	CHARACTERISTIC	VALUE	NORM	NOTES
TECHNICAL CHARACTERISTICS	Compressibility c:	CP2	UNI EN 12431	-
	Temperature resistance:	from -40 to +115 °C	-	-
	Fire reaction:	B2 Class	DIN 4102	-

CROSS-LINKED POLYETHYLENE

COMPOSITION	Crosslinked polyolefin foam.
COLOUR	Grey.
THICKNESS	4 mm

	CHARACTERISTIC	VALUE	NORM	
TECHNICAL CHARACTERISTICS	Specific weight:	~ 31 kg/m ³	ISO 845	
	Tensile strength MPa:	long. 0,20 - transv. 0,20	ISO 1798	
	Elongation at break %:	long. 140 - transv. 135		
	Compression strength kPa:	10%	15	ISO 3386-1
		25%	36	
		50%	106	
	Dimensional stability:	105 °C	ISO 2796	
	Hardness shore:	0/5	16	ISO 868
		00/10	52	
		A	12	
	Flammability < 100 mm/min :	> 10	DIN 75200	
	Compression set %:	25% - 22 h, 23 °C, 0,5 h	12	ISO 1856
		25% - 22 h, 23 °C, 24 h	6	
50% - 22 h, 23 °C, 0,5 h		28		
50% - 22 h, 23 °C, 24 h		20		

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