

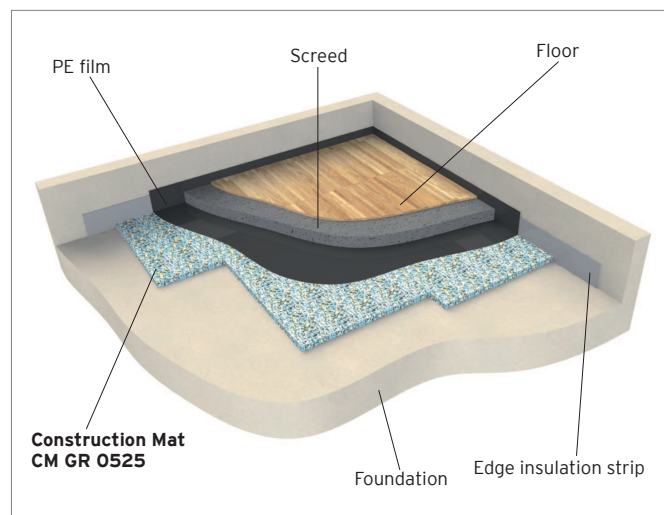
# Construction Mat CM GR 0525

## Product Data Sheet

- Application area** Impact noise insulation underneath screed flooring
- Hotels
  - Fitness studios
  - Hospitals and old people's homes
  - Dry floors and renovations
- Material** 100 % polyurethane
- Colour** Multicolored

**Improvement of impact noise 21 dB**

according to ISO 717-2

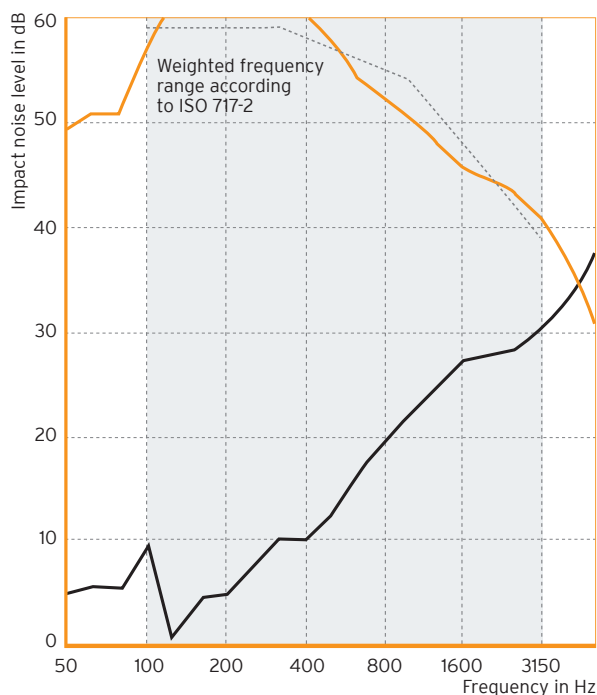


### Advantages and benefits

- Effective over the entire load range
- Low installed height – particularly suitable for refurbishments
- Quick installation – does not need to be bonded to the foundation
- Easy handling
- Outstanding performance over lifetime of the building

Product properties		Test methods	Comment
Load range	2500 kg/m <sup>2</sup>		
Dyn. rigidity s'	≤ 40 MN/m <sup>3</sup>	EN 29052-1	
Compressibility c (d <sub>L</sub> -d <sub>B</sub> )	≤ 1 mm	EN 12431	
Flammability	class E	EN ISO 11925-2	normal flammable, EN 13501-1
Thermal conductivity	0.06 W/mK	according to EN 12667	
Temperature range	-30°C to 70°C		higher temperatures possible for short periods
Weighted impact noise improvement ΔL <sub>n,w</sub>	21 dB	EN ISO 10140-3	EN ISO 717-2

### Impact noise improvement level according to EN ISO 10140-3



f [Hz]	$L_n$ [dB]	$\Delta L$ [dB]
50	49.6	4.9
63	50.8	5.6
80	50.7	5.5
100	57.2	9.6
125	61.2	0.8
160	62.2	4.6
200	64.6	4.9
250	63.3	7.6
315	60.2	10.2
400	60.4	10.0
500	58.1	12.5
630	54.4	16.7
800	52.3	19.9
1000	50.5	22.2
1250	48.0	24.8
1600	45.5	27.3
2000	44.6	27.8
2500	43.2	28.2
3150	40.7	30.4
4000	36.6	33.2
5000	30.9	37.3

**Test assembly:**  
 80 mm cement screed  
 (179 kg/m<sup>2</sup>)  
 8 mm CM GR 0525  
 (s' 40 MN/m<sup>2</sup>)  
 160 mm reinforced concrete  
 ceiling (400 kg/m<sup>2</sup>)

— Measurement curve  
 - - - Reference curve  
 — Improvement of impact noise

### Standard delivery dimensions, ex warehouse

Thickness: 8 mm  
 Panels: 1000 x 500 mm  
 Pallet: 375 items (187,5 m<sup>2</sup>)

### Installation instructions and text for tenders

Additional information can be found on our homepage at [www.getzner.com](http://www.getzner.com).



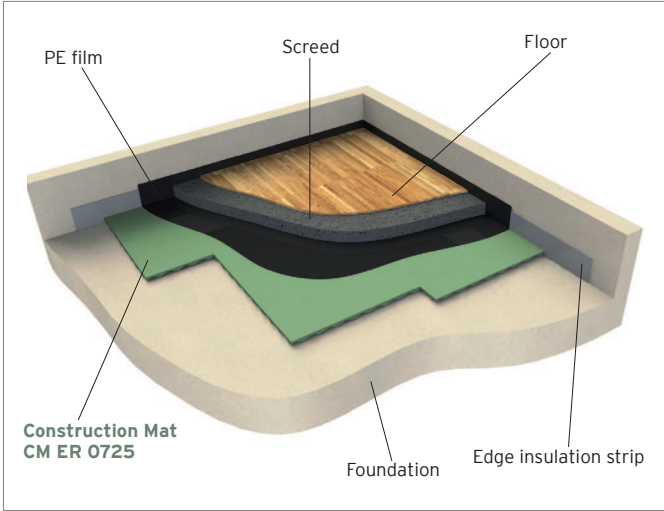
All information and data is based on our current level of knowledge. It can be used in calculations and for reference purposes. It is subject to typical manufacturing tolerances and does not represent warranted properties. Subject to change without notice.

# Construction Mat CM ER 0725

## Product Data Sheet

- Application area** Impact noise insulation underneath screed flooring
- Supermarkets
  - Hotels
  - Fitness studios
  - Hospitals and old people's homes
  - Production halls and warehouses
- Material** 100% polyurethane
- Colour** olive-green

**Improvement of impact noise 33 dB**  
according to ISO 717-2

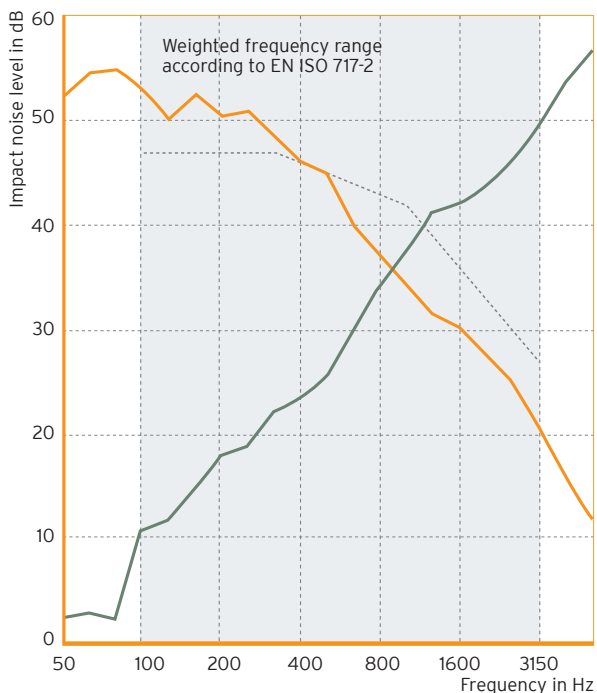


**Advantages and benefits**

- Highly effective over the entire load range
- Low installed height – particularly suitable for refurbishments
- Quick installation – does not need to be bonded to the foundation
- Easy handling
- Outstanding performance over lifetime of the building

Product properties		Test methods	Comment
Load range	2500 kg/m <sup>2</sup>		
Dyn. rigidity s'	≤ 13 MN/m <sup>3</sup>	EN 29052-1	
Compressibility c (d <sub>L</sub> -d <sub>b</sub> )	≤ 2 mm	EN 12431	
Flammability	class E	EN ISO 11925-2	normal flammable, EN 13501-1
Thermal conductivity	0.05 W/mK	according to EN 12667	
Temperature range	-30°C to 70°C		higher temperatures possible for short periods
Weighted impact noise improvement ΔL <sub>n,w</sub>	33 dB	EN ISO 10140-3	EN ISO 717-2
National technical approval no:	Z-23.21-1940		

### Impact noise improvement level according to EN ISO 10140-3



f [Hz]	$L_n$ [dB]	$\Delta L$ [dB]
50	52.5	2.3
63	54.6	2.9
80	54.9	2.3
100	53.2	11.0
125	50.3	11.7
160	52.8	14.8
200	50.4	18.1
250	51.0	18.9
315	48.4	22.2
400	46.0	23.5
500	45.0	25.8
630	40.1	30.4
800	37.3	34.6
1000	34.3	37.7
1250	31.5	41.2
1600	30.2	42.2
2000	27.6	43.8
2500	25.2	46.2
3150	20.9	49.6
4000	16.1	53.8
5000	12.0	56.7

**Test assembly:**  
 80 mm cement screed  
 (179 kg/m<sup>2</sup>)  
 16 mm CM ER 0725  
 (s' 13 MN/m<sup>2</sup>)  
 160 mm reinforced concrete  
 ceiling (400 kg/m<sup>2</sup>)

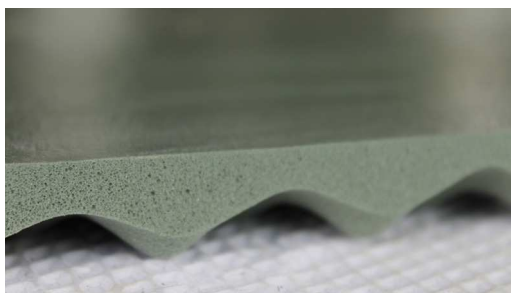
— Measurement curve  
 - - - Reference curve  
 — Improvement of impact noise

### Standard delivery dimensions, ex warehouse

Thickness: 16/9 mm corrugated profile  
 Panels: 1500 x 750 mm  
 Pallet: 90 items (101.25 m<sup>2</sup>)

### Installation instructions and text for tenders

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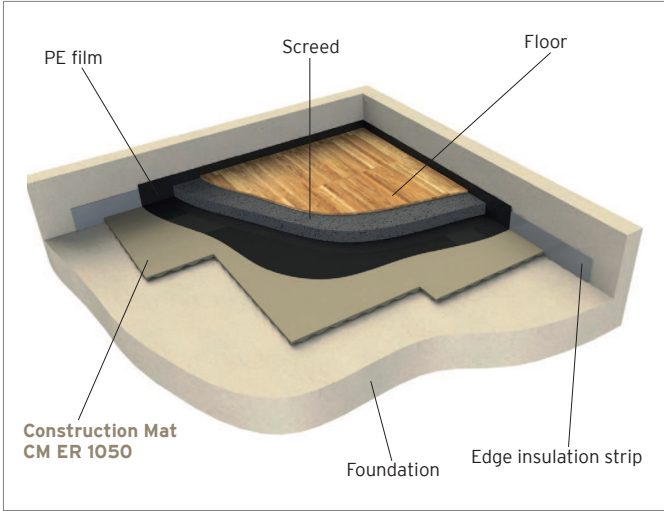
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# Construction Mat CM ER 1050

## Product Data Sheet

- Application area** Impact noise insulation underneath screed flooring
- Supermarkets
  - Hotels
  - Fitness studios
  - Hospitals and old people's homes
  - Production halls and warehouses
- Material** 100 % polyurethane
- Colour** brown

**Improvement of impact noise 31 dB**  
according to ISO 717-2

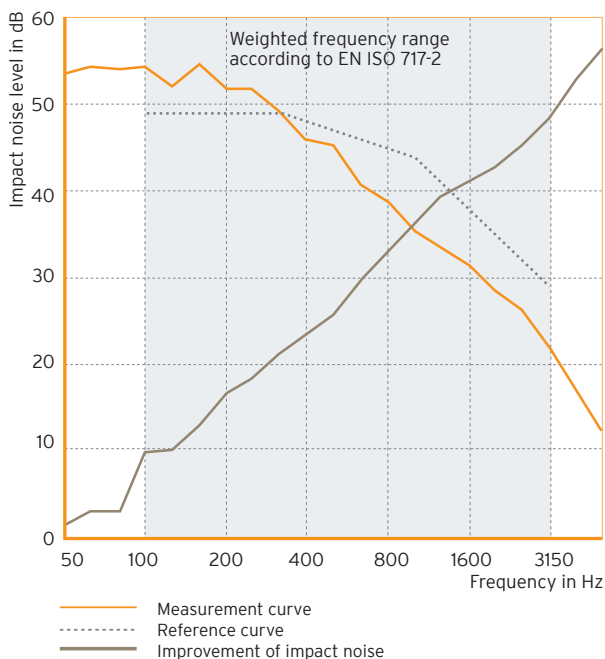


**Advantages and benefits**

- Highly effective over the entire load range
- Low installed height – particularly suitable for refurbishments
- Quick installation – does not need to be bonded to the foundation
- Easy handling
- Outstanding performance over lifetime of the building

Product properties		Test methods	Comment
Load range	5000 kg/m <sup>2</sup>		
Dyn. rigidity s'	≤ 17 MN/m <sup>3</sup>	EN 29052-1	
Compressibility c (d <sub>L</sub> -d <sub>b</sub> )	≤ 2 mm	EN 12431	
Flammability	Class E	EN ISO 11925-2	normal flammable, EN 13501-1
Thermal conductivity	0.06 W/mK	according to EN 12667	
Temperature range	-30°C to 70°C		higher temperatures possible for short periods
Weighted impact noise improvement ΔL <sub>n,w</sub>	31 dB	EN ISO 10140-3	EN ISO 717-2
National technical approval no:	Z-23.21-1940		

### Impact noise improvement level according to EN ISO 10140-3



f [Hz]	$L_n$ [dB]	$\Delta L$ [dB]
50	53.6	1.2
63	54.5	3.0
80	54.2	3.0
100	54.3	9.9
125	52.0	10.0
160	54.6	13.0
200	51.9	16.6
250	51.7	18.2
315	49.4	21.2
400	46.0	23.5
500	45.2	25.6
630	40.8	29.7
800	38.9	33.0
1000	35.5	36.5
1250	33.3	39.4
1600	31.5	40.9
2000	28.6	42.8
2500	26.2	45.2
3150	22.0	48.5
4000	16.9	53.0
5000	12.0	56.7

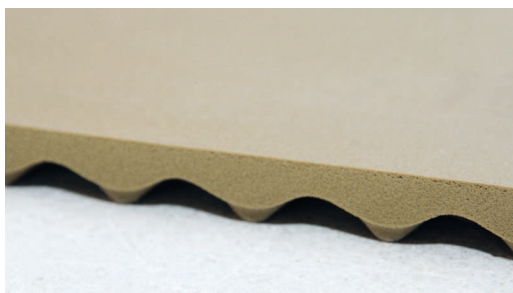
**Test assembly:**  
 80 mm cement screed  
 (179 kg/m<sup>2</sup>)  
 16 mm CM ER 1050  
 (s' 17 MN/m<sup>3</sup>)  
 160 mm reinforced concrete  
 ceiling (400 kg/m<sup>2</sup>)

### Standard delivery dimensions, ex warehouse

Thickness: 16/9 mm corrugated profile  
 Panels: 1500 × 750 mm  
 Pallet: 90 items (101.25 m<sup>2</sup>)

### Installation instructions and text for tenders

Additional information can be found on our website at [www.getzner.com](http://www.getzner.com) or in the installation instructions enclosed with the delivery.



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CONTACT DETAILS  
 for further information and contact details, please visit our website at [www.pyroteknc.com](http://www.pyroteknc.com)

