



## MEMO

Aan OZ Architecten  
T.a.v. [REDACTED]

Van [REDACTED]  
E-mail info@mp.nl  
Telefoon [REDACTED]  
Kenmerk M+P.INSTA.23.01.3  
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Onderwerp Verbouwing Hilton Amsterdam, advies vloer dakopbouw.

Geachte [REDACTED],

Voor de verbouwing van het Hilton Hotel aan de Apollolaan wordt de dakopbouw uitgebreid. De geluidsisolatie van deze vloerconstructie dient te voldoen aan de Brand Standard van Hilton.

### Casus

De uitbreiding van de dakopbouw komt boven de hotelkamers van de 9<sup>e</sup> verdieping. De ruimte is multifunctioneel inzetbaar waarbij ook muziekgeluid ten gehore kan worden gebracht. De geluidsisolatie tussen deze ruimte en de onderliggende hotelkamers dient minimaal aan de Brand Standard van het Hilton te voldoen. In Bijlage A, figuur 1 is de situering van de dakopbouw ten opzichte van de onderliggende hotelkamers opgegeven.

### Brand Standard

De grens en streefwaarden zijn in tabel I geformuleerd.

tabel I Streefwaarden interne geluidsisolatie volgens Brand Standard tabel 2514.05N1 en N2

omschrijving	Brand Standard	grootheid
luchtgeluidisolatie tussen dakopbouw* en kamer	$\geq 60$ dB	$R'_{w}$
contactgeluidsniveau tussen dakopbouw* en kamer	$\leq 45$ dB	$L_{nt,w}$

\* eis naar restaurant, bar, functionroom





Bijlage A

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## Figuren

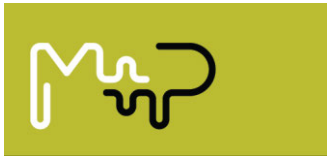




Bijlage B

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## **Produktblad Isolgomma**

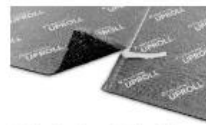


TECHNICAL DATA

**UPROLL**  
 UNDER SCREED ACOUSTIC INSULATION



IMPACT NOISE ACOUSTIC INSULATION WITH HIGH ACOUSTIC PERFORMANCE AND MECHANICAL STABILITY, MADE IN ROLLS WITH SBR RUBBER GRANULES

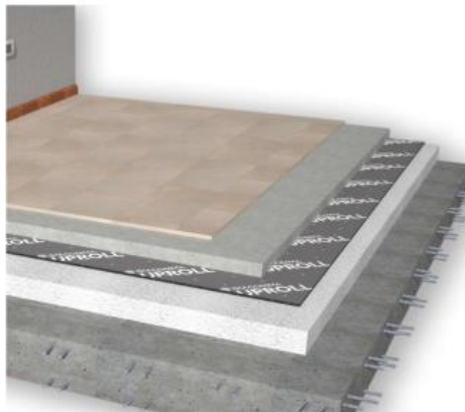


Self-adhesive side band for joining the mats



**TECHNICAL SPECIFICATION**

9 mm acoustic insulation rolls, made of SBR (Stirene Butadiene Rubber) fibres and granules rubber, compacted using a latex binder in a hot process. A grey synthetic non woven anti-stretch backing is applied on one side. The dimensions of the roll are: 500 cm length, 104 cm width including 4 cm adhesive side border for rolls overlapping during installation. The total mass surface is 3,10 kg/m<sup>2</sup>. Impact sound pressure level attenuation 24 dB, reaction to fire E, thermal conductivity coefficient 0,096 W/m K. Recycled content 90%.



**CERTIFIED ACOUSTIC IMPROVEMENT**

Designed and created for the acoustic insulation of floors with floating or heated floor, even in a very low thickness

**FLEXIBILITY**

Designed to be used even in critical site situations, where limited spaces and contemporary interventions can be present

**LAYING COSTS REDUCTION**

Equipped with printed TNT to facilitate measuring and cutting activities. A special adhesive stick facilitates the junction between the mats

**TO BE USED WITH**

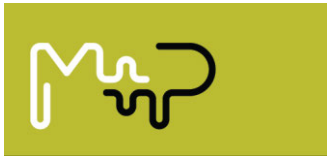
Under screed acoustic insulation for massive slabs where a high impact noise performance is required and low intervention thickness is present. Also suitable where radiant systems are present

**TECHNICAL DATA**

Thickness	9 mm
Length	5,00 m
Width (including 4 cm overlapping band)	1,04 m
Mass per unit area	3,10 kg/m <sup>2</sup>
Recycled content	90%

Dynamic stiffness s'	11 MN/m <sup>3</sup>
Compressibility c	1,2 mm
Impact sound pressure level attenuation ΔLw	24 dB
Reaction to fire	E
Thermal conductivity coefficient λ	0,096 W/m K





TECHNICAL DATA

# UPROLL

## UNDER SCREED ACOUSTIC INSULATION



### INSTALLATION INSTRUCTIONS FOR UPROLL

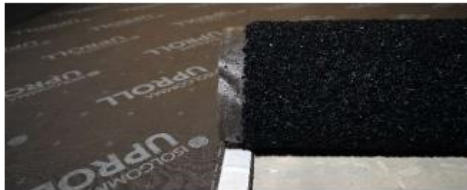
**1** Apply the adhesive strip to the wall and floor with particular attention in the corners



**2** Install the acoustic mat with rubber granules facing down



**3** Joint two adjacent mats using the pre-built adhesive tape and following the dashed lines



**4** Build the screed



**5** Install the floor finishing (ceramic or wood)



**6** Cut the exceeding part of the edging strip



**ACOUSTIC CERTIFICATES**  
Product acoustic certificates are available and allow to comply with the limits imposed by law



**INSTALLATION TEST**  
Acoustic performances of the intervention can be tested on site by a competent technician



**ACOUSTIC REPORT**  
Our technical staff is able to give you the proper support in all the project phases, supporting you in the identification of materials



**LAYING ASSISTANCE**  
Thanks to our extensive commercial technicians network, we are at your disposal for the coordination of the first laying phases on site

SEE THE REFERENCES > VISIT THE WEBSITE



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CONTACT THE TECHNICAL DEPARTMENT FOR MORE INFORMATION

