

Heritage House Budapest, HU



Building Isolation

CDM-CAS Boxes

CDM Partner	CDM Hungary
Job Type	Box-in-a-Box System for Performance Hall
Weight	105 MN ADL
Systems	CDM-CAS Boxes + lateral buffer pads
Main Contractor	ARCADOM Épít→pari Rt.
Architect	Zoboki, Demeter és Társaik Építésziroda
Structural Engineer	Földvári Mérnökiroda
Acoustic Consultant	AFT Akusztika



Heritage House is a separate institute to operate in the so called 'Cultural Compound' in the new Millenium city centre of Budapest. It will provide high quality environment for Hungarian folk dance and folk music performances.



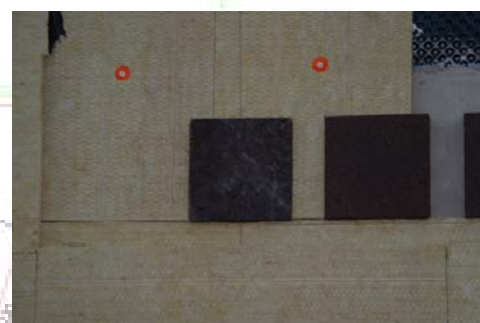
CDM-CAS box



Installation on site

The acoustical measurements prior to the construction showed that measures were to be taken to isolate the low frequency vibrations, generated by the nearby railway, tramway, commuter train and road traffic. As a result, a **resonance frequency of max. 10 Hz**, and a prestressed solution with integrated fail-safe system was specified.

Being the winner of the international tender, CDM supplied **CDM-CAS prestressed elastomer boxes** to isolate the 10 500 ton box-in-a-box hall.



CDM-CR bearing

As part of the acoustical treatment of the complete compound, **CDM-CR bearings** were also provided for a resilient decoupling of the slurry wall and some structural walls.

CASE STUDY – CDM-ISO-STRUCTURE

CDM-UK
PO Box 7035
Melton Mowbray
Leics LE13 1WG



noise & vibration control

T: + 44 (0) 1664 482486
F: +44 (0) 1664 482487
E: info@cdm-uk.co.uk
www.cdm-uk.co.uk