

Kaiser-Franz-Josef-Spital Vienna, Austria

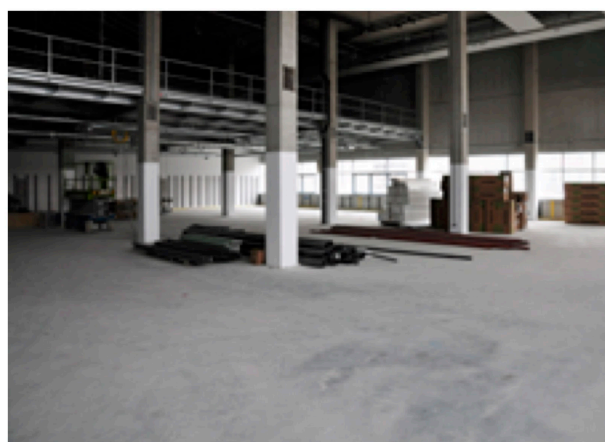
Vienna – Austria's capital and, according to an international study in November 2011, the city with the highest quality of life worldwide – advocates modernity and quality also on the health sector. Generally the quality of life is primarily described as the level of well-being. Those holding positions of responsibility in the city of Vienna are aware that this well-being is also influenced by the range of health care available. And so it makes sense for Vienna's oldest hospital, the Kaiser-Franz-Josef-Spital, to be converted step by step into a contemporary, future-oriented hospital over the next few years.



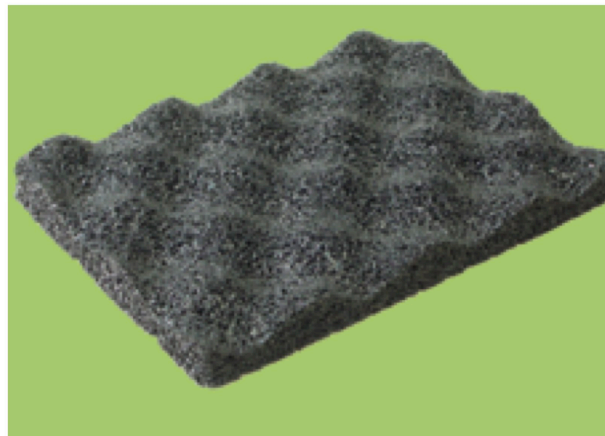
Built more than 120 years ago in Vienna's 10th district (Favoriten) and renamed as the „k.k. Kaiser-Franz-Josef-Spital“ following the imperial visit in 1889, the planned upgrade will make this one of Austria's most modern tertiary care hospitals. According to Vienna's hospital concept, the modernised hospital will join forces with six other hospital organisations to provide the medical, nursing and therapeutic care for the city's population. The new Utility Centre on the premises which in future will combine all supply and disposal areas, waste management, the new Sterilisation Preparation Centre South and the Pharmacy Partnership South under one roof, is being constructed as the modern infrastructure that is so indispensable for successful health care.



Most of the 11,000 m² total effective area of the Utility Centre will be used in future as warehouse, high-bay warehouse and workshop. The flooring in these areas has to satisfy special requirements to rule out any detrimental impact on hospital operations over a long period of time. Given the high loads on parts of the floors from forklift trucks and shelving systems (point loading), compressive strength in particular was an aspect that had to be given due consideration in selecting the products to be used for impact sound insulation. With the advice provided by the BSW consultants, it was possible to produce a convincing solution in both technical and economic terms, adapting the necessary insulation to the structure and utilisation of the specific areas.

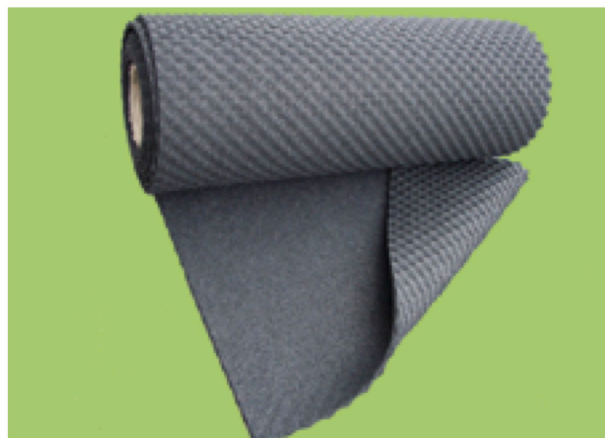


The reinforced concrete flooring in the warehouse and workshop areas was equipped with around 7,000 m² of screed insulation matting **Regupol® BA**. The impact sound insulation made of PU-bonded rubber fibres stands out with its high load rating and high impact sound abatement. Only 17 mm thick, with impact sound insulation values of 26 dB and a maximum rolling load of 5,000 kg/m², **Regupol® BA** is superior to many other products thanks to the particular combination of its attributes, as well as being cost effective. Prior to installation of the screed insulation matting, all rising structures were fitted with **Regupol®** insulation strips to prevent acoustical bridges. The fitted insulation matting was then covered with vapour barrier film before installing the 15 to 17 cm thick load distribution slab of smoothed, reinforced concrete.



Regupol® BA with profiled under-side

The companies responsible for installation also confirmed that **Regupol® BA** is the right impact sound insulation for high-load areas. „The compressive strength and high impact sound insulation of **Regupol® BA** together with its suitability for fast, uncomplicated and economical installation make it the right product for this application“, summarises Mario Hübler, technician with Granit-Bau.



Regupol® BA on a roll

More references can be found on our website.

www.bsw-vibration-technology.com

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