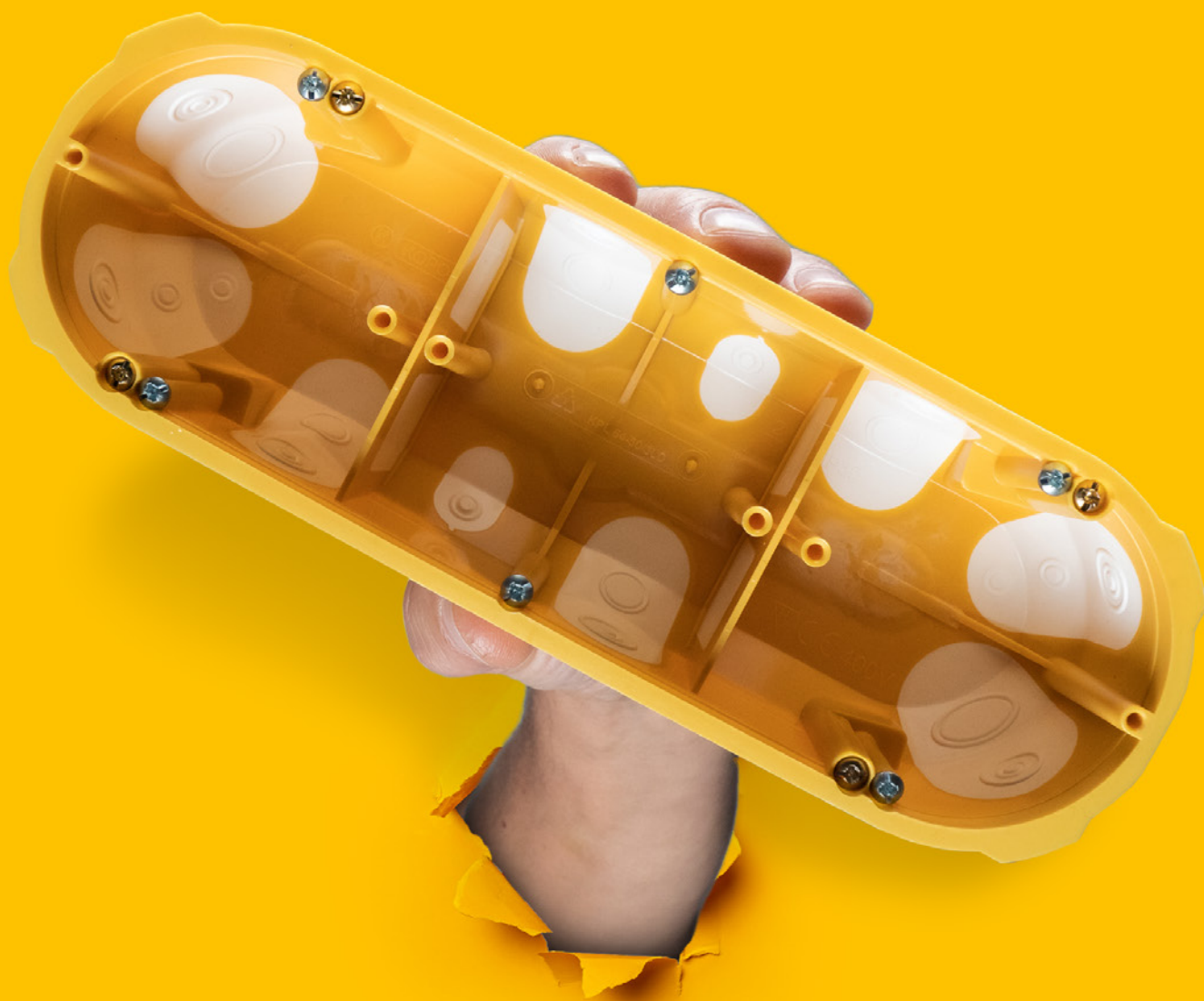




THE DIFFERENCE
AT FIRST LISTENING

ELECTRICAL INSTALLATION IN SOUNDPROOF WALLS



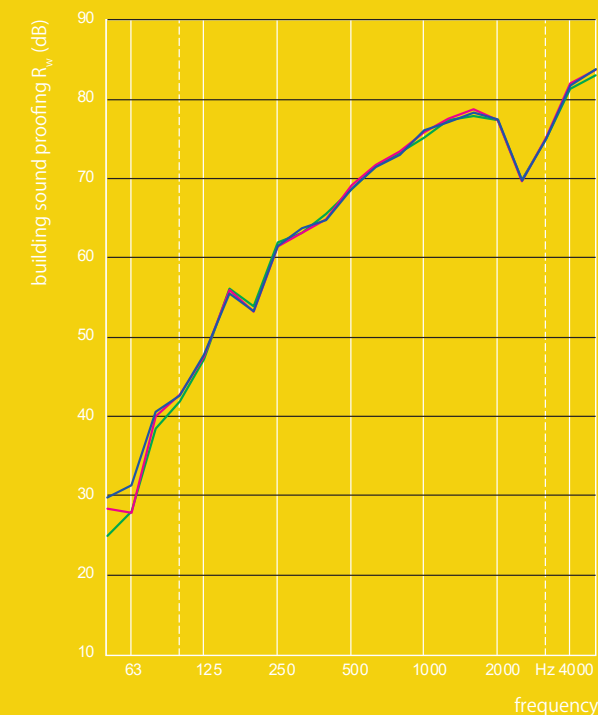
69 dB

We live in an environment in which we are exposed various influences on our health. Noise is one of them. Noise is any unwanted sound, such as street traffic, loud music, but also ordinary speech. Therefore, today in housing construction, and not only there, manufacturers of building materials, designers, hygienists and others deal with acoustics. Today, there is already a common solution of walls that have a defined acoustic attenuation, laboratory verified by methodical measurements in specialized laboratories. You need to realize that any violation of the defined soundproof walls can affect the overall result of necessary sound insulation.

The company KOPOS KOLÍN a.s. is a traditional Czech manufacturer of wiring material, which also deals with this issue. In the product portfolio we can find wiring boxes, which do not disturb the sound insulation of buildings constructions. This is a group of boxes for hollow walls that have a perfectly sealing membrane entries for cables and wiring pipes.



DO NOT BE DISTURBED AT YOUR PERFORMANCE



- soundproof reference wall without wiring (69 dB)
- soundproof reference wall with built-in KOPOS boxes fitted with devices (69 dB)
- soundproof reference wall with built-in KOPOS boxes fitted with lids (69 dB)

TO YOUR BUILDINGS ONLY THE BEST!

ADVANTAGES OF OUR DOUBLE-INJECTED SOUNDPROOF BOXES FOR HOLLOW WALLS

SUITABLE FOR SOUNDPROOFING
WALLS WITH ATTENUATION UP
TO 69 dB

BOX BODY PREVENTING
SOUND PASSAGE

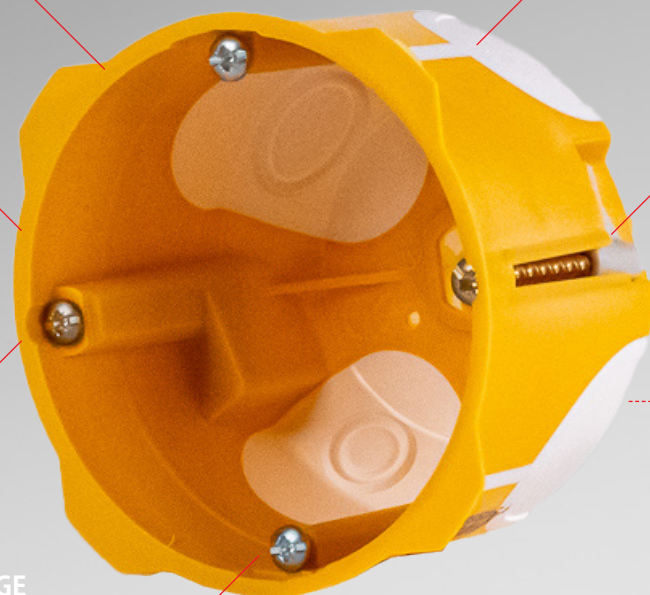
MOUNTING SCREWS
FOR INSTALLATION OF BOXES
IN THE HOLLOW WALL

INSTALLED INSTRUMENT
SCREWS HIDDEN UNDER THE EDGE

FLEXIBLE MEMBRANE
SOUNDPROOF INLETS

SOLID PLASTIC MOUNTING
FEET WITH FIBER
GLASS ADDITIVES

MULTIPLE
VARIANTS



TAKE A CALM

Rooms protecting from noise is one of the basic pillars for quality housing. When building construction, you need to think about the details, which often have a major impact on the overall result. It's just not enough the use of quality building materials, but you also need to think about their mutual connection in order to prevent the emergence of secondary sound waves.

Secondary sound waves can also arise from incorrect wiring, which is why the KOPOS company focuses with its products also on this topic. Construction and used materials of wiring KOPOS boxes are a guarantee that their use will not affect the housing and inter-apartment walls in terms of sound insulation.



REQUIREMENTS OF STANDARDS

SEVERAL STANDARDS ARE DEDICATED TO WALL ACOUSTICS

ČSN 73 0532 - Noise protection in buildings and assessment of acoustic properties of building structures and products. This standard specifies requirements for sound insulation of dividing structures between rooms in buildings and for sound insulation of building envelopes, including windows and doors. It establishes requirements, criteria - a numerical value of the minimum desired attenuation in dB for the given environments such as rooms in apartments, hotels, hospitals, schools and administrative buildings. It also stipulates corrections to minor sound waves transmission that depends on the number of boundary conditions in particular in the interaction of constructions and their different layout solutions.

ČSN EN ISO 717-1 – Evaluation of sound insulation of building structures and in buildings - Part 1: Air sound proofing. Standard is dedicated to methods of measuring of air sound proofing of building structures, defines single-number air sound proofing values in buildings and for building structures such as walls, partitions, floors, doors and windows.

ČSN EN ISO 717-2 – Acoustics - Evaluation of sound insulation of building structures and in buildings - Part 2: Impact sound proofing. Standard is dedicated to methods of measuring of impact sound proofing of building elements, defines single-number impact sound proofing values in buildings and for ceiling and floor structures.

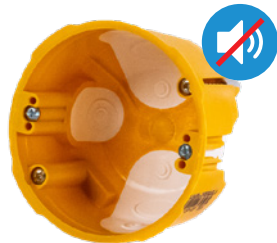
ČSN EN ISO 10140-1 – Acoustics - Laboratory measurement of sound insulation of building structures – Part 1: Application rules for certain products. This standard specifies test requirements for laboratory measurement of sound insulation of building structures and products. The ISO 10140 standard itself has 5 parts in total, each of which devotes to a specific test procedure according to air or impact sound proofing.

ČSN EN ISO 16283-1 – Measurement of sound insulation of building structures and in situ buildings – Part 1: Air sound proofing. The standard sets procedures for determining of air sound proofing between two rooms in a building using sound pressure measurement. The standard contains 3 parts in total. The first deals with air sound proofing, the second with impact sound proofing and third with sound insulation of outer casings.



WIRING BOXES INTO SOUNDPROOF WALLS

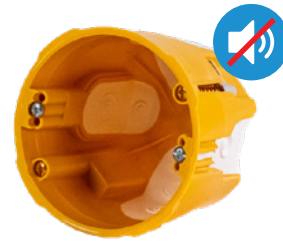
COMPLETE RANGE OF DOUBLE-INJECTED
BOXES WITH CERTIFICATE ON SOUNDPROOF



KUL 68-45/LD_NA



KUL 68-45/LD2_NA



KPRL 68-70/LD_NA



KPL 64-50/2LD_NA



KPL 64-50/3LD_NA



KPL 64-40/LD_NA



KPL 64-40/2LD_NA



KPL 64-40/3LD_NA



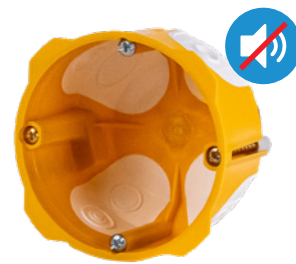
KPL 64-50/4LD_NA



KPL 64-50/5LD_NA



KPL 64-50/LD_NA



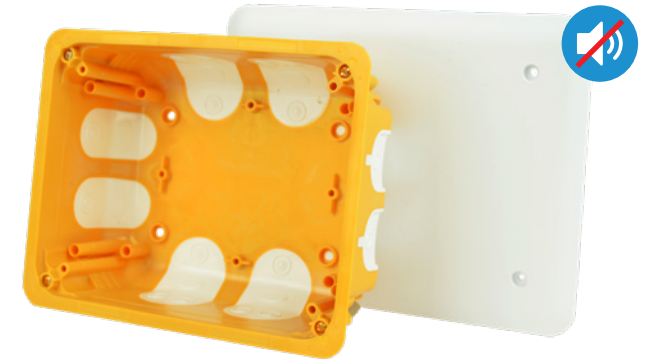
KPL 64-45/LD_NA



KPRL 64-60/LD_NA



KO 97/LD_NA



KO 180/LD_NA