



Substrate Preparation

All substrates must be dry, firm, load bearing and free from dust and release agents.

Uneven surfaces have to be primed with ARDEX Multiprime and levelled with ARDEX LQ 92.

PVC and commercial grade vinyl (without foam backing) must be sanded and cleaned.

Porous substrates should be primed with ARDEX Multiprime.

Dense, smooth, impervious or wood surfaces should be primed with ARDEX P 82.

The ARDEX DS 40 is crack-bridging up to 1mm.

Application

To avoid transmission of sound to adjoining walls/columns, install sound strips along the perimeters. Alternatively use a bond breaker and fill the perimeter joint with a neutral cure silicone.

Lay the ARDEX DS 40 mats and cut where necessary. The ARDEX DS 40 mats can be easily cut with a carpet knife from the reverse side.

Apply ARDEX X 56 adhesive with a 3mm notch trowel (if the surface is rough use a 4mm notch trowel). Lay the ARDEX DS 40 within the open time of the adhesive with fleece side into the fresh mortar bed. Press the mat in with a trowel or float or metal roller. Make sure the mats are fixed without any gaps. Should adhesive come through the joints please take up the mat and clean it and repeat installation. Fix the mats in a brick pattern (or broken bond pattern) to avoid cross joints.

Installation of tiles can be done 2 - 4 hours after installation of the ARDEX DS 40 mat (allow the ARDEX X 56 to set). Prior to the installation of tiles/slabs please check the joints in the ARDEX DS 40 mat and fill any gaps with a neutral cure silicone.

For fixing tiles the following adhesives can be used. Acoustic performance may vary marginally depending on adhesive used: -

- ARDEX X 56 (fast setting and flexible) can be used where movement is anticipated (e.g. post tension concrete), or
- ARDEX STS 8 (for stable concrete, and mixed with Ardion 90 where movement is anticipated), or
- Pourable mortar such as ARDEX FB9L for large format tiles.
- For the installation of moisture sensitive natural stones, ARDEX S16 (mixed with Ardion 90) is recommended.

Ensure solid bedding of tiles by occasionally removing tiles and checking that there are no voids in the adhesive layer. Apply more adhesive by buttering the back of the tile and/or using a larger size notched trowel to spread the adhesive on the substrate.

The coverings to be installed should have a minimum size of 15x15cm and a minimum breaking strength of 1500N. Stoneware tiles should be at least 8mm thick and natural stone should be at least 15mm thick.

Wet Areas

Suitable for domestic (not public) wet areas/bathrooms.

Once the ARDEX DS 40 has been installed, ensure that mats are butt joined, filling any gaps with a neutral cure silicone or polyurethane sealant. Allow the sealant to cure. Next install a screed with falls to waste. Once the screed is dry (seven days), the area should be waterproofed with ARDEX WPM 002 (Superflex two part) as per instructions on same. Allow the membrane to dry before tiling. Alternatively the screed can be installed first, followed by the mat, then membrane (minimum 2mm dry film thickness) and lastly tiled. For detailed wet area specification contact ARDEX.

For grouting use ARDEX grout mixed with flexible additive.

ARDEX DS 40 - impact sound reducing system installation (internal dry areas)

