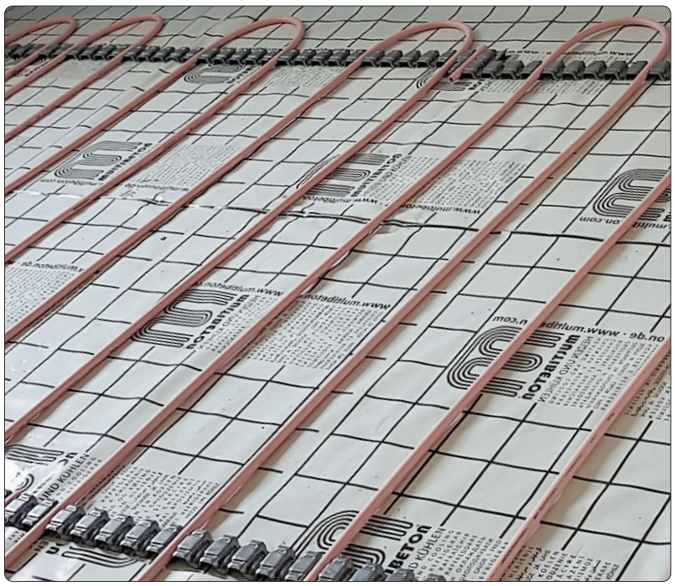
General information
The load-bearing substrate of the FLS-35/27 must comply with the evenness tolerances according to the current DIN 18202, table 3, line 3. If this is not the case, the existing unevenness will be transferred to the top of the FLS-35/27. If the subfloor is not even or has a slope that does not correspond to the evenness tolerances according to the current DIN 18202, Table 3, Line 3, it must be levelled out with a suitable levelling compound or the MB Lightweight screed (MB-LES). Any irregularities on the surface must be accepted. Hairline cracks may appear on the surface due to the system. Since the MB Thin screed (MB-DES or MB-DEP) is reinforced with the MB Glass fibre mat (MB-GFM), the functionality of the system is not impaired by any hairline cracks.

If insulation is used under the system, it must have a minimum compressive strength of 150 kPa. The insulation must be walkable and must not lose its properties during the processing of the FLS-35/27. In addition, the sound insulation requirements must be met. It must be ensured that the construction site is free of draughts during installation and up to 5 days afterwards and that the indoor temperatures on the day of installation up to 5 days after installation of the FLS-35/27 are between a minimum of + 5 °C and a maximum of + 25 °C.

1. Preparations
In connection with the MB-PEF (polyethylene foil) and the self-adhesive edge insulation strip FLS, a trough-shaped and tight substrate must be created. The MB-PEF (polyethylene foil) must be completely bonded at the joints with the adhesive tape (MB-SKB). To ensure that no grout runs into the building structure later on, the bonding points of the edge insulation strip FLS and the MB-PEF must be checked meticulously. The glued joints of the edge insulation strip FLS can be touched up with the adhesive sealing tape FLS. The bonded joints of the MB-PEF are touched up with the fabric tape FLS.

The MB Euro system pipes 17 (MB-ER17) are laid with the MB Steel clip rail 17 (MB-CS17) according to the calculations of the MULTIBETON planning. The MB Steel clip rails 17 (MB-CS17) are to be laid with a maximum spacing of two metres. Furthermore, make sure that the system pipes lie flat on the polyethylene foil. After the underfloor heating pipes have cooled down, start with the 3-component installation of the MB Lightweight screed (MB-LES). The installation of the MB Lightweight screed (MB-LES) and the MB Thin screed (MB-DES or MB-DEP) takes 2 working days.



MULTIBETON GmbH, Heuserweg 23, 53842 Troisdorf-Spich, **Phone** +49 2241 25200-0, **Fax** +49 2241 25200-99
E-Mail info@multibeton.com, **Internet** www.multibeton.com

2. First day of installation
The MB Lightweight screed (MB-LES) is installed up to the upper edge of the MB Euro System pipes 17 (MB-ER17) or the MB Steel clip rail 17 (MB-CS17). The MB Lightweight screed (MB-LES) is compacted, e.g. with a plastic screed board, and then removed over the MB Steel clip rails 17 (MB-CS17) using a plastering or levelling lath. The MB Thin screed (MB-DES or MB-DEP) is applied the next day. The drying time of the MB Lightweight screed (MB-LES) is 24 hours.

3. Second day of installation
The MB Glass fibre mat (MB-GFM) and the MB Thin screed (MB-DES or MB-DEP) are placed for load bearing and load distribution. The MB Glass fibre mat (MB-GFM) is laid with an overlap of approx. 1 cm. The MB Thin screed (MB-DES or MB-DEP) can be applied with a mortar pump or by hand mixing. The addition of water according to the texts on the packaging units must be strictly adhered to. The liquid consistency of the MB Thin screed (MB-DES or MB-DEP) must not be applied in a jerky or surging manner, as otherwise the MB Lightweight screed (MB-LES) could become detached or the MB Glass fibre mat (MB-GFM) could shift.

4. Priming
The MB Thin screed (MB-DES) must be primed with primer FLS 12 hours after installation, or the next day at the latest, to cover the entire surface.

The MB Thin screed Pro (MB-DEP) must be primed with the primer FLS 6 hours after laying, but no later than the next day, and then covered with the polyethylene film (MB-PEF) over the entire surface until the topsoil is laid.

5. Laying the top floor
It is mandatory that the subsequent craftsmen carry out a cleaning sanding before laying the top floor. The laying of a ceramic top floor can begin on the 3rd day after the MB Thin screed (MB-DES or MB-DEP) has been laid. For other top floors, the drying time should be extended by another 72 hours.

MULTIBETON GmbH, Heuserweg 23, 53842 Troisdorf-Spich, **Phone** +49 2241 25200-0, **Fax** +49 2241 25200-99
E-Mail info@multibeton.com, **Internet** www.multibeton.com