FACT SHEET
SCREED

UFHN LTD

UNDERFLOORHEATING
DESIGN | SUPPLY | INSTALLATION

HEATING SCREED

The UFH loops are to be maintained at normal operating pressure while the screed is being laid in conformity with DIN 18560-2 “screeds in building construction; floating screeds on insulating material”. In the case of cement-based screed with strength-grade ZE 20 and/or anhydrite screed AE20, screed pipe covering of 45mm are required for use in residential buildings (moving loads of up to 1.5kN/m^2). When using anhydrite screed, the height of the covering may be reduced to 35mm. The manufacturer’s instructions must be observed at all times.

DRYING OF SCREED

In order to ensure trouble-free installation of the final floor covering, it is vital to use a screed with an adequate drying time. Apart from DIN EN 1264, established technical practice recognises the following approximate maximum moisture-content levels with respect to the adequate drying-out of screed:

Maximum moisture content of screed in %, determined using CM device at the time of floor covering.

FLOOR COVERING		CEMENT-BASED SCREED TARGET VALUE	ANHYDRITE AND/OR CALCIUM SULPHATE SCREED TARGET VALUE
Elastic Coverings		1.8	0.3
Textile Coverings	Vapour-tight	1.8	0.3
Parquett Block	Vapour - Permeable	3.0	1.0
Laminated Floor		1.8	
Ceramic tiles and/or natural	Thick bed	3.0	-
Cast stone	Thin bed	2.0	0.3

The drying out process can be speeded up by operating the underfloor heating system (further heating) or through the use of external drying devices. Each drying procedure should be administered as a separate operation under the terms of the contract by the building owner or his representative.

Further heating should take place immediately after the previous drying process. Cement-based screed is normally at least 28 days old at this stage, and anhydrite/calcium-sulphate screed at least 14 days old. The heating and cooling process is carried out according to the instructions of the building owner or his representative.

The process normally starts with a supply temperature of 25°C, after which it is increased daily by 10°C until the maximum design supply temperature (max. 55°C) is achieved. From the fifth to the fifteenth day inclusive, the corresponding maximum supply temperature should be maintained day and night. Cooling is carried out in the same way as the heating procedure, but in the reverse order.

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