

Operational Instructions

OI - 5.8 | Self-Levelling Concrete

Revision: C

Section: 5.0 - Plot Groundworks Stage 1

Visual Aids



Floors shall be built to appropriate tolerances.

Floors should be:

- level within a 3mm deviation per 1m for floors up to 6m across (measured at the furthest points across the full width of the floor)
- a maximum of 20mm out of level for floors over 6m across
- flat within a ± 5 mm deviation, measured using a 2m straight edge with equal offsets.

Underfloor service ducts should be constructed so that the cover is level with the adjacent floor finish. The selection of floor finish should take into account that drying shrinkage of the floor may result in minor differences in level between the floor and duct cover, which may be more evident with some types of thin floor coverings.

Information

Task Specific Safety Checks & Notes	Operational Checks
● In the first instance, please ensure you have referred to your site-specific Risk Assessments & Method Statements (RAMS) ● Working areas are to be segregated in accordance with MIDA Operational Standard - 2.4 - Segregation - General Working Area and/or MIDA Operational Standard - 2.5 - Segregation - Groundworker Only Area	● Ensure the brickwork is level before pouring the floor ● Check the weather conditions before pouring – minimum, maximum temperatures based on specification ● Ensure that all DPM and vapour barriers are correctly placed in line with the specification ● All DPM is to be taped using the specified product – Visqueen etc. (do not just use duct tape) ● Where radon or gas protection is required please refer to MIDA Operational Instruction - 5.7 - Gas Membrane ● Check the specification of the concrete – does it have macro fibres? Does it require a layer of mesh? ● Prior to discharging the concrete onto the floor, ensure that the mixer drum is spun on site to adequately mix and separate the fibres ● If the concrete mix is not suitable, do not accept it – turn it away ● Install crack-inducers at doorways to reduce surface cracking – refer to MIDA Operation Standard - 5.2 - Crack Inducers [Self-Levelling Floors] ● The floor is to be bucket poured and levelled using the specified tamping bar and rotating laser ● Ensure two thorough coats of curing agent are applied to the surface of the floor once tamped ● Sika curing agent to be used, not water based products – coverage to be 1litre per 5m2 of floor area ● Ensure the correct use of industrial sprayers (as per image shown)
QA Checks & Actions	Operational Standard - References
● Form QMF 27 – Oversight Handover Sheet ● Ensure any sub-contractor works are checked before being signed off ● Photograph the completed area and include in your photographic daily diary	● MIDA Operational Standard - 2.4 - Segregation - General Working Area ● MIDA Operational Standard - 2.5 - Segregation - Groundworker Only Area ● MIDA Operational Standard - 5.2 - Crack Inducers [Self-Levelling Floors]