



ACTIFLEX LAYING INSTRUCTIONS

GENERAL

Actiflex is an area elastic sports floor where the boards are installed on top of a shock absorption foam. It can be installed on an even, sound and self-supporting sub-floor or an existing floor giving a finished floor height of 29mm. It has been tested in accordance to the demands of EN14904 and Actiflex meets the requirements of all five test elements and achieves the highest Type A4 classification. Maximum floor size: 600m²

CLIMATIC CONDITIONS

Actiflex sports floor is dried to 7.5 ± 1% moisture content which is the equivalent of furniture wood. This must be taken into account when installing the floor. All windows and doors must be in place and all moisture generating work completed well before installation of the floor commences. The room must be heated to a minimum of 15 °C with a maximum RH between 30 and 60%. Ensure that the room is kept 30 - 60% at a relative humidity and temperature of 20 °C. Actiflex should always be stored in dry conditions and do not open the packaging until the floor is to be installed.

SUB-FLOOR REQUIREMENTS

The sub-floor must be stable, self-supporting, level and clean. The maximum permitted deviation is 2mm per 2 meter radius. For the UK: ± 3mm over 3 running metres according to British Standard BS8204. If the sub-floor does not satisfy these requirements it will be necessary to make adjustments, either by planing or filling in.

SPECIAL REQUIREMENTS TO NEW BUILDINGS

2 layers of 0.2mm plastic membrane, which is taped at the joints (overlap 40 - 60cm), must be laid over the sub-floor, prior to the installation of Actiflex. The plastic membrane gives Actiflex extra moisture protection but is not a moisture barrier for the concrete/ base floor. The relative moisture content of the sub-floor must be below 90 % or 75 % on the surface. Where concrete is concerned it is necessary to measure the moisture at points a minimum of 10cm into the floor. Practical experience has shown that newly laid concrete floors should be dried for a minimum of 8 weeks prior to the installation of Actiflex.

DISTANCE TO WALLS AND COLUMNS

The distance between the floor and walls/columns is calculated at 1.5mm per meter width distributed on both sides, e.g. to calculate the distance from the wall in a 24 meter wide gymnasium: (1.5 x 24)/2 on each side.

SKIRTING

The skirting boards should be fastened to the wall only, so as not to impede the movement of the floor. T-mouldings should only be fastened to the existing floor.

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- 1 It is recommended to lay the parquet lengthwise to the main source of light, so as to take into account the lights' angle of incidence. The laying of the floor must be carefully considered before beginning the installation process, so as to avoid final boards being too short or narrow against the wall. Measure the room before commencing installation. It is imperative that a 0.20mm thick layer of plastic, taped at the joins, is laid on the concrete sub-flooring.
- 2 Begin by laying the perimeter strips which are supplied, 15 x 100mm, along the wall, in the direction the parquet is to be laid.
- 3 Lay the Actiflex underlay 2000 x 1500 x 8mm against the row of supporting boards. The underlay must not be laid less than 100mm from the side walls.
- 4-5 Place the first board with the tongue facing the wall and the groove facing outwards. There must be a minimum clearance along the wall of 8 - 10mm (1.5mm per meter room width). The next board is laid at an angle (approx. 30°) against the end join and pressed down. Continue in this way until the first row is laid.
- 6 Begin the second row with the off-cut board from the first row, which must be a minimum of 50cm.
- 7 Cut support blocks 15 x 100 x 70mm and place them under the Actiflex boards at the ends of each row.
- 8 The Actiflex mats are gradually laid as the floor is installed. The offcut from the first row is used to start the next row, this ensures that the mats are laid randomly and remain in place.
- 9-10 Use a light knock with a tapping block, e.g. 10 x 10cm or similar, against the lower edge of the parquet, while pressing down the row of boards against the underlay, such that the boards slip into place.
- 11 By pressing the board at the end, the tongue will yield and "lock" the boards together.
- 12 Continue laying the next row, using the off-cut from the previous row. Ensure that there is a minimum overlap of 40cm between the boards.
- 13-14 Apertures for piping etc. must be as spaciouly as possible so as to allow for free movement of the floor. The apertures are then covered with pipe-collars.
- 15 After the flooring is installed it is still mportant to ensure that the room remains temperate with a relative humidity of between 30 and 60 %. Clean the floor using a dry dust mop or vacuum cleaner. If the floor needs to be washed it is important that the use of water is kept to a minimum. Do not allow water to dry on the surface of the parquet.

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