

TRAMEX™

Hygrohood™

Excess Moisture in floor slabs and screeds can cause numerous problems in all types of floor coverings leading to complete floor failure and even structural damage.



MANUFACTURERS OR NATIONAL STANDARD RECOMMENDATIONS

British Standards code of practice BS8201, BS8203, BS5325 and US standard ASTM F2420: suggests that a concrete floor or screed should be sufficiently dry to allow installation of a resilient floor covering using the insulated impermeable hood method. Non-destructive moisture content tests with the Tramex CME can be carried out until the floor or screed reaches the moisture level specified by the floor-covering manufacturer. The Tramex CME can be used to determine the areas of greatest concern on the floor or screed. At that stage relative humidity tests can be implemented to corroborate the non-destructive moisture content test.

PRE-TEST CONDITIONING AND PREPARATION

For best and most accurate results, tests should be carried out after the internal conditions of the building in which the slab is located have been at normal service temperature and humidity for at least 48 hours. All artificial heating or drying equipment should be turned off at least 96 hours before final readings are attempted, otherwise results may not accurately reflect the amount of moisture present or moisture movement in the slab during normal operating conditions. Avoid testing in locations subject to direct sunlight or sources of heat. Use of artificial aids for accelerated drying of concrete is not recommended. If they are being used it is recommended they should be turned off at least four days before taking final readings. It is advantageous to know the background of the site e.g. when the floor or screed was poured, thickness levels, etc.

TESTING

1. Before positioning the Hygrohood on the floor slab, the surface should be clear of any foreign materials and swept clean of any dust or loose materials that could affect a proper seal between the hood and the surface of the floor.
2. Using butyl tape, seal the insulated Hood to the concrete surface.
3. Once equilibrium is reached Hygrometer can be switched on. The Hygrometer will record minimum and maximum values while it remains switched on. Optional C°/F° units are available. Memory will be reset when the unit is switched off.

Always refer to the adhesive and/or floor covering manufacturer's recommendations for the acceptable moisture content levels of concrete to floor screeds.

CALIBRATION SPECIFICATION

The Hygrometer is factory calibrated to 75%RH at 20C. The product is designed to remain calibrated for 18 months from date of manufacture. The measuring range 20% - 99%RH, with a temperature range of

0°C - 50°C / 32° - 122°F Tolerances +/- 3%, +/- 1°C / +/- 2°F. Replacement battery CR2032

For more information on the above or any range of the tramex range of moisture measurement and humidity instruments please call, fax, email or write to:

For more information:

TRAMEX LTD, STATION HOUSE, SHANKILL BUSINESS CENTRE,
SHANKILL, CO. DUBLIN, IRELAND.

Tel: +353-1-282 3688 or Fax: +353-1-282 7880.

E-Mail: sales@tramex.ie Web Site: www.tramexltd.com

USA and CANADA

Tramex Ltd. c/o Black Hawk Sales Inc.

28 Pin Oak Drive, Littleton, CO 80127. Tel: 303 972 7926. Fax: 303 972 7106.

Email: sales@tramexltd.com Web: www.tramexltd.com

