

Self-levelling Floor Screed

Technical Datasheet

Alpha Hemihydrate

Hydri-Flo

Tel: 028 302 66421

www.turleybros.com

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credit cards



- Perfect level floors
- Reduced screed thickness
- Maximises insulation thickness
- Increased performance of underfloor heating
- No shrinkage or curling
- Can be used for acoustic (dB) flooring
- Factory Produced, Supplied & Laid by Turley Bros.
- Can be force dried
- Full pre-site surveys undertaken
- After sales services, including moisture testing

Hydri-Flo Alpha Hemihydrate Floor Screed is a pumpable, high-quality screed material based on calcium sulphate. It is supplied using a pre-blended compound and is mixed on site with a special blend of approved aggregates to meet the performance criteria of EN 13813: 2002. It is designed for application at thicknesses of between 20 and 90 mm.

- Smooth Laitance Free Finish
- Pumpable
- Rapid Set
- Under Floor Heating – Full Encapsulation
- Suitable For Underlayment In Domestic Wet Areas
- Reduced Drying Times
- CE EN 13454-1: 2004

Field Of Application

Hydri-Flo is suitable for floors in homes, offices, public buildings and places exposed to similar loads. Hydri-Flo may be applied as a levelling screed directly onto a load bearing floor, unbonded on a separating barrier (polythene), as a floating floor, and is particularly suited in conjunction with underfloor heating or cavity floors.

Hydri-Flo should be covered with a floor finish such as tiles, linoleum, parquet, cork or carpet. If a cement based adhesive or smoothing compound is required, the surface of the screed must first be sealed using an appropriate acrylic primer/sealer.

Working Instructions

Light ventilation in the work area is necessary, however windows and openings must be closed sufficiently to avoid draughts, during and after application. Indoor and floor temperature should exceed +10C during and after application and for one week after that.

Substrate

Hydri-Flo is designed for use as a bonded thick levelling screed on concrete, as a floating screed over thermal or acoustic insulation, or as an unbonded screed on top of a plastic membrane.

Preparation and Priming

The substrate should be clean, dry, free of dust, grease and other impurities that might prevent adhesion. If it is a large area, the surface should be treated by mechanical preparation by grinding or shot blasting. The surface strength of the substrate has to be at least 0.5 N/mm².

Application

Pumping should be carried out in sections so that a wet edge is maintained. A wide steel tampering bar should be used to assist the levelling process. When applied bonded, the minimum thickness of Hydri-Flo should be 20mm. Over underfloor heating, this should be a minimum of 25mm over the pipes (35mm over insulation board)

Disposal Considerations

Binder: Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system. Uncleaned packaging: Recommendation: Disposal must be made according to official regulations. Recommended cleansing agents: Water, if necessary together with cleansing agents.

Safety

Binder: Caution. This product contains cement, which becomes alkaline when wet and may cause skin irritation. Use goggles, gloves and protecting cream. Avoid prolonged contact with skin. Avoid inhaling the dust. Wash affected area with warm water and soap. Wash eyes thoroughly and consult a physician. Do not ingest. See Health and Safety Data Sheet for further information.

Precautionary Statements

P102 Keep out of reach of children.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

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