

TECHNICAL INFORMATION SHEET

Tiling No.14 - Tiling on Asphalt Screed

GENERAL

Flooring grade asphalt is occasionally used internally in place of a sand and cement levelling screed. While it is not the most common flooring substrate, it can provide an acceptable base to receive tiles. For full details please refer to BS5385-3.

It should also be noted that other bituminous materials are not recommended to receive tiling directly, for example, roofing grade or waterproofing grade asphalt may not be suitable and bituminous adhesive residues must be fully removed before tiling.

If in doubt, contact our Technical Department.

PREPARATION

The asphalt must have been laid on a rigid base, e.g. concrete, in accordance with BS8204-5 and must be stable and of suitable condition, strength and integrity to receive tiling. The asphalt must be the correct flooring grade (e.g. Type F 1076 to BS6925) and of sufficient structural integrity for the anticipated loads and conditions.

The surface must be free from dust, oils, grease, adhesive residues or another contamination which may impair adhesion. If necessary the surface should be thoroughly cleaned and degreased.

For best results the surface of the asphalt should have a sand scatter finish, i.e. a sandpaper-like finish to provide mechanical key.

Priming –

Where the asphalt has a natural float finish, the surface should be primed before tiling.

This can be achieved by applying 1 coat neat of Larsen NP Keycoat primer and allowing to dry clear before tiling or alternatively by slurry priming.

Slurry priming is achieved by mixing ~2 parts adhesive with 1 part Larsen Flexibiliser. This slurry is applied to the substrate with a stiff brush and allowed to dry before tiling.

FIXING METHOD & MATERIALS

It is recommended that a fully flexible (S1 or S2) adhesive is used to fix the tiles with a solid bed of adhesive.

The information given in this technical sheet is based on both current development work and many years' field experience. Whilst every effort is made to ensure that the information is reliable we cannot accept responsibility for any work carried out with our materials where we have no direct control over methods of application, site conditions etc. Always read and familiarise yourself with the relevant product safety and technical datasheets before using any of our products.

The Larsen logo features the word "LARSEN" in a bold, white, sans-serif font. Above the letters, there is a stylized yellow and orange graphic that resembles a roofline or a series of peaks.

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MOVEMENT JOINTS

Proprietary movement joints should be used. Movement joints should be provided in accordance with BS 5385 and their location should be decided at design stage.

It is important that attention is given to the provision and location of sufficient movement joints in the tiling when the screed contains underfloor heating; when external heat sources are present (e.g. a sunroom); when large format tiles are used; and in larger open plan areas.

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