Tarmac provides a comprehensive sales and technical advisory service to specifiers and customers. A quality system has been implemented throughout the company since 1975 and quality procedures are in conformity with BS EN ISO 9001:2000. The majority of Tarmac factories hold third party certification from the British Standards Institution. Details of the certification status of individual factories may be obtained from your nearest Tarmac Sales Office.

PRICES AND CONDITIONS OF SALE

Prices vary according to proportion, quantity and delivery point. For specific quotations contact the nearest Sales Office - see heading Further Information.

All quotations given, orders placed and materials supplied are subject to the Conditions of Sale available via download from the Tarmac website www.tarmac.co.uk or upon request from your nearest Tarmac Sales Office.

DELIVERY

Bulk loads in tipper road trucks generally up to 10/20 tonnes or 7-8 tonne steel skips (where available). The delivery date and time of delivery. 24 hours should normally be allowed for delivery.

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DELIVERY

Further Information:

For further technical information please call: 0870 116 116.

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Further Information:

For further technical information please call: 08701 116 116.
**EFFECT OF FROST**
In cold conditions adequate precautions must be taken to protect from frost attack. No antifreeze chemicals or accelerating admixtures should be added to the screed material.

**COMPATIBILITY**
Tarmac Truscreed and Truscreed HD are compatible with all building materials, but wet cementitious materials may affect certain metals e.g. Aluminium.

**DURABILITY**
No problems should occur if the correct screed material has been specified, but neither Tarmac Truscreed nor Truscreed HD are designed as a wearing surface and should be covered with a flooring material.

**Health & Safety**
There is a real danger of Contact Dermatitis or serious burns if skin comes into contact with wet cement mixes such as fresh concrete, mortar or screed. Wear suitable protective clothing and eye protection. When skin contact occurs, either directly or through saturated clothing, wash immediately with soap and water. For eye contact, immediately wash out eye thoroughly with clean water. If swallowed wash out mouth and drink plenty of water.

For further information refer to Tarmac Safety Data Sheet No. 17.

### Applications

**USES**
Suitable for use on the following bases:

1. Solid concrete ground floor slabs:  
   a) directly in contact with the slab (bonded)  
   b) with suitable damp proof membrane between slab and screed (unbonded)  
   c) over an insulating layer to isolate the screed from the base (floating).

2. Precast concrete units or beams with reinforcement.

3. In situ suspended floors.

4. As a topping to lightweight screeds based on perlite or other lightweight aggregates.

5. Certain other situations - refer to your nearest Local Sales Office.

The above applications are subject to the minimum thicknesses given in the section on Construction/Sitework.

### Table 2 - Tarmac Truscreed/Truscreed HD

<table>
<thead>
<tr>
<th>Applications</th>
<th>Thickness (mm)</th>
<th>Pea and cobble</th>
<th>Thickness (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toppings to lightweight screeds</td>
<td>13</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Risers</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Admixture slurry*</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Admixture can be used to obtain a good bond</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

* Used according to Tarmac Product Data Sheet No.22

† Where used in conjunction with Limelite Lightweight Screed apply monolithically if possible.

** Fibres may be used to replace crack control reinforcement (D4R)

One tonne of screed material will have an approximate volume of 0.43 - 0.48 m³. Table 3 shows the coverage area per tonne for a range of thicknesses.

### Table 3: Approximate coverage area of screed material

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Screed Area Coverage</th>
<th>Thickness</th>
<th>Screed Area Coverage</th>
<th>Thickness</th>
<th>Screed Area Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>30.8</td>
<td>10</td>
<td>30.8</td>
<td>10</td>
<td>30.8</td>
</tr>
<tr>
<td>15</td>
<td>22.5</td>
<td>15</td>
<td>22.5</td>
<td>15</td>
<td>22.5</td>
</tr>
<tr>
<td>20</td>
<td>16.0</td>
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<td>25</td>
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</tr>
<tr>
<td>30</td>
<td>8.5</td>
<td>30</td>
<td>8.5</td>
<td>30</td>
<td>8.5</td>
</tr>
<tr>
<td>35</td>
<td>6.5</td>
<td>35</td>
<td>6.5</td>
<td>35</td>
<td>6.5</td>
</tr>
</tbody>
</table>

Table: Tarmac Truscreed/Truscreed HD

<table>
<thead>
<tr>
<th>Type of Construction</th>
<th>Minimum Average Thickness (mm)</th>
<th>Minimum Design Thickness (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Screed apply monolithically</strong></td>
<td>18</td>
<td>28</td>
</tr>
<tr>
<td><strong>Screed apply monolithically</strong></td>
<td>30</td>
<td>40</td>
</tr>
<tr>
<td><strong>Screed apply monolithically</strong></td>
<td>40</td>
<td>50</td>
</tr>
</tbody>
</table>

NOTE: Slight variations in sub-base levels will affect the coverage

**Construction/Sitework**

**SITE STORAGE**
Tarmac Truscreed and Truscreed HD should be tipped on to a clean banker board with a sealed base and sheeted to protect it from the elements. Do not tip new deliveries onto the remains of the previous load.

**PREPARATION**
The base concrete must be clean and in particular free from lime, gypsum, plaster, dust, dirt, oil or grease. The base concrete should be swept to remove all loose material and wetted with clean water, where the levelling screed is to be placed in direct contact with the base. Just before laying the screed an appropriate bonding material should be brushed into the surface, care being taken that this neither forms deep pools nor dries before the screed is placed.

**APPLICATION**

**BONDED CONSTRUCTION**
(Minimum thickness 40 mm)

The bond between the base and levelling screed will depend on the thoroughness with which the base has been prepared. A bonding agent such as Tarmac SB Admixture can be used to obtain a good bond. The bonding agent should be used in a slurry with cement in the ratio of 75:25 by weight. A bonding agent such as Tarmac SB Admixture should be brushed into the surface, care being taken that this neither forms deep pools nor dries before the screed is placed.

**UNBONDED CONSTRUCTION**
(Minimum thickness 50 mm)

When no bond is possible between levelling screed and base, the screed should be at least 50 mm thick, or, if containing heating pipes, a minimum of 65 mm thick.

**FLOATING SCREED**
(Minimum thickness 75 mm / 65 mm for light loading)

A levelling screed laid on a compressible layer such as thermal or sound insulating material, should be at least 65 mm thick, or, if containing heating pipes, a minimum of 75 mm thick. All conduits should be firmly fixed covered with suitable crack control mesh and given a minimum cover of 25 mm.

Where Tarmac Truscreed or Truscreed HD are laid on thermal or sound insulation boards, which are sufficiently rigid to enable the screed to be properly compacted, the minimum thickness of the Tarmac Truscreed or Truscreed HD may be reduced to 55 mm.

**TOPPING TO LIGHTWEIGHT SCREEDS**
A smooth surface can be given to lightweight screeds, which, will enable point loadings to be carried.

The normal thickness will be of the order of 10 - 15 mm and, if necessary, the suction of the lightweight screed should be controlled by wetting with clean water.

**LAYING**
Reference should be made to Code of practice BS 8204-1

The material should be spread on the prepared base with adequate surcharge. It is important to compact the screed material thoroughly and evenly over the whole area, either by tamping or by mechanical means and then level with a screed board. For many floor finishes, the screed must be finished with a steel trowel to give it a smooth dense surface. For such a finish, the screed should be allowed to stiffen slightly and then worked with the trowel, which will make a ringing sound when the correct action is being used excessive trowelling should be avoided as this brings a layer of cement latance to the surface where it may craze and dust.

To aid compaction of thicker cement sand levelling screeds, i.e. over 50 mm thickness, the screed may be laid in two layers. Both layers should be of approximately equal thickness and the same mix and water content.

The first layer should be thoroughly compacted using heavy tamping or a weighted roller the second layer should be laid as soon as possible, i.e. within 2 hours, after compaction of the lower layer (monolithically).

The most common cause of screed failure is poor compaction.

**CURING**
Screeds should be protected from damage after laying. To achieve the full performance of Tarmac Truscreed and Truscreed HD, adequate curing is essential and the screed should be covered with plastic sheeting or other suitable material to retain moisture for at least seven days. Whilst damping down of the surface before covering is acceptable, saturation of the screed, e.g. by prolonged hosing is not recommended.

NOTE: Do not use hot air blowers, underfloor heating, or other means of accelerating drying in the early life of the screed.