

## Product Data Sheet No. 12

## S C R E E D

### TARMAC TRUSCREED AND TRUSCREED **[HD]**

#### Identification

##### INTRODUCTION

Tarmac Truscreed and Truscreed **[HD]** systems were developed by Tarmac to fulfil the need for factory produced high-performance cement sand levelling screeds suitable for all common floor finishes.

##### ADVANTAGES

Tarmac Truscreed and Truscreed **[HD]** have the following advantages over traditional cement sand levelling screeds:

- Significantly reduced drying times (to accept final flooring)
- Better working properties providing easier and more reliable compaction
- Quicker early strength development
- Reduced drying shrinkage resulting from low water/cement ratio
- Good resistance to construction traffic and dusting
- Greater final strength

Tarmac Truscreed and Truscreed **[HD]** have the following additional advantages over other specialist screed materials which are generally site mixed

Better cement dispersion gives greater and more uniform compressive strength throughout the floor area

Factory mixing takes quality control away from the site and into the factory, providing consistent quality materials and accurate proportioning.

##### PRODUCT CONFORMITY

Use in accordance with recommendations in code of practice BS 8204-1. The British standard listing traditional proportions for ready-to-use cement sand screeds was BS 4721 which was withdrawn in February 2005. Tarmac factory produced screed materials conform to the requirements of BS EN 13813.

Truscreed and Truscreed **[HD]** should be used in accordance with the recommendations of Codes of practice BS 8000:Part 9 and BS 8204:Part 1.

##### COMPOSITION AND MANUFACTURE

Tarmac Truscreed and Truscreed **[HD]** are thoroughly mixed accurately controlled blends of the following materials:

- Well-graded washed fine aggregate (sand) conforming to BS EN 12620 / BS EN 13139
- Portland Cement conforming to BS EN 197-1
- Retarding /water reducing admixture conforming to BS EN 934-2/3 giving the optimum working time, normally usable for 8 - 12 hours from the time of mixing

- Water conforming to BS EN 1008, to give the optimum semi-dry consistency for easy laying and thorough compaction.

Where it is intended to pump the material, notify your local sales office allowing reasonable time before work is due to commence

##### DENSITY

###### Typical test results

Fresh wet uncompacted 1,850 - 2,000 kg/m<sup>3</sup>

Compacted set and air dried 2,000 - 2,200 kg/m<sup>3</sup>

#### Performance

##### STRENGTH

Results based on prisms made, cured and tested in accordance with the requirements of BS EN 13892-2.

SCREED DESIGNATION	BS EN 13813 COMPRESSIVE STRENGTH CLASS	BS EN 13813 FLEXURAL STRENGTH CLASS
Truscreed	C30	F3.0
Truscreed H.D.	C35	F4.0

Table 1 : Truscreed and Truscreed **[HD]** strength classes and minimum strength

These results are indicative and may be subject to change.

Tarmac Truscreed **[HD]** is designed for use where high point loading or heavy trafficking is expected.

##### TYPICAL HARDENING TIMES

Light foot traffic 2 days

Site traffic 5 days

##### TYPICAL DRYING TIMES

Allow approximately 5-7 days per 25 mm of thickness. If the screed is very thick, or the concrete base has an excessive moisture content, this time should be increased. High humidity or low temperatures will also delay the drying out process. As the drying time indicated applies from completion of any curing operation, the flooring contractor must check the moisture content of the screed before laying the floor finish.

##### FIRE PROTECTION

Tarmac Truscreed and Truscreed **[HD]** contain less than 1.0% organic material and are classified in accordance with BS EN 13501-1 as Class A1 without testing (Commission Directive 96/603/EC).