



Tufcon 80

Heavy Duty Polymer Reinforced Screed

DESCRIPTION

Tufcon 80 is a four component cementitious flooring system formulated from carefully selected acrylic polymer, cement and specially graded high strength aggregates. The product is laid by trowel at between 8mm – 30mm thickness to provide a hardwearing, water resistant, cementitious floor topping. Tufcon 80 is a heavy duty flooring system with a high level of resistance to mechanical damage and light chemical attack.

USES

Tufcon 80 is ideally suited for use in areas where conventional granolithic and cementitious systems fail to give the necessary level of performance. Tufcon 80 is used in a wide range of environments including bakeries, food manufacturing areas, breweries, engineering shops, production areas, workshops and warehousing areas.

For specific applications Tufcon Pumped Screed and Tufcon Speed Screed are available. Please refer to the Technical Service Department.

ADVANTAGES

- **Fast cure** faster development of compressive strength than conventional cementitious screeds
- **Durable** high level of abrasion resistance, low maintenance costs
- **Chemically resistant** higher level of resistance to acids and alkalis than normal cementitious systems
- **Non-slip** provides non-slip surface for pedestrian and vehicular traffic
- **Proven performance** long standing job references

PHYSICAL PROPERTIES

- | | |
|---|------------------------|
| • Compressive strength | 65.0 N/mm ² |
| • Tensile strength | 7.8 N/mm ² |
| • Flexural strength | 18.5 N/mm ² |
| • Working life | 1-2 hours |
| • Open to light traffic | 24 hours |
| • Open to heavy traffic | 48 hours |
| • Full cure | 28 days |
| • Bond to Steel (blasted SA 2.5) | 12.0 N/mm ² |
| • Bond to Concrete | Concrete fails |

(below 20°C these times will be increased)

CHEMICAL RESISTANCE

Tufcon 80 screed is resistant to a wide range of chemicals. Specific data is available on request from the Technical Services Department.

COLOURS

Tufcon 80 may also be overcoated with Conren epoxy coatings to extend the range of surface colours available, Please refer to colour chart.

TEMPERATURE

Tufcon 80 should not be applied at temperatures below 10° C and above 40° C

INSTRUCTIONS FOR USE

Tufcon 80 high strength polymer screed can be used with most building structures. Its bond strength is enhanced by the use of WD Bonder and this allows the design of thin section screeds for refurbishment purposes. A 2-coat WD Bonder/Membrane is recommended, with the first coat being allowed to cure before application of the bonding coat. The Tufcon is laid wet onto the WD Bonder coat.

MIXING AND APPLICATION

Mix design (by weight): 1 part OPC: 2 parts sharp sand: 2 parts 3mm granite, 25% polymer on OPC. The Tufcon 80 mix is ideally mixed to semi-dry consistency in a creteangle or ribbon bladed screed mixer. The aggregates and OPC are blended first, followed by the addition of Conpol additive diluted in the gauging water. The mix is then laid with screeding rules onto the WD Bonder which must be tacky and the Tufcon 80 screeded off at the required thickness. A wood float and finally a steel trowel are used to close the Tufcon 80. If required a power-float finish can be achieved.

Tufcon 80 is supplied and installed by the Contracting Division of Conren Ltd.

COVERAGE AND PACK SIZES

<u>Materials</u>	<u>Mix in kg</u>
OPC	25kg
Sand	50kg
Granite 3mm	50kg
Additive Conpol	5ltr
Water to laying consistency	semi-dry

1 mix is equivalent to 6m² @ 10mm thickness

DISPOSAL

The cleaning of the equipment with water should be carried out in such a way that the waste material is isolated and collected for disposal according to local statutory regulations.

STORAGE

All products to be stored under cover from inclement weather before and during application.

PRECAUTIONS

For further information on our precautions please see the MSDS.

Technical Service and Quality Assurance

All information provided in this leaflet is based on results obtained from our own experience and testing which is given in good faith. The information is provided without guarantee as the user will be deemed to have satisfied themselves independently of the suitability of Conren's product for their own particular purpose. Conren Limited cannot be held responsible for any errors as a result of any incorrect information being provided.



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