



## FS Screed

### HD Epoxy Floor Screed

#### USES

**FS SCREED** provides a high strength, heavy duty floor topping with excellent resistance to mechanical damage and chemical attack. The Product is suitable for almost every building environment including chemical process areas, steelworks, food and drink manufacturing areas, dairies, breweries, plating shops, abattoirs, engineering shops, production lines, workshops and warehouse areas. FS Screed can be used as a general repair material for concrete or most building surfaces both internally and externally.

#### DESCRIPTION

**FS SCREED** is a three-pack solvent free epoxy resin mortar system to provide an impervious, chemically resistant floor topping with excellent resistance to mechanical damage. The product is laid by trowel at between 4mm and 6mm thick as a screed and at additional thickness for repairs.

#### ADVANTAGES

<b>Durable</b>	excellent abrasion resistance, low maintenance costs
<b>Chemically resistant</b>	excellent resistance to a wide range of chemicals
<b>Seamless</b>	eliminates potential sources of failure
<b>Non-slip</b>	non-slip surface for vehicular and pedestrian traffic
<b>Hygienic</b>	impervious finish provides easily cleaned surface

#### PHYSICAL PROPERTIES

<b>Compressive Strength</b>	80 N/mm <sup>2</sup>
<b>Tensile Strength</b>	12 N/mm <sup>2</sup>
<b>Flexural Strength</b>	30 N/mm <sup>2</sup>
<b>Specific gravity</b>	2.1
<b>Pot life</b>	30 mins
<b>Initial Hardness</b>	12 hours
<b>Full cure</b>	7 days
<b>Bond to Steel</b>	12 N/mm <sup>2</sup>
<b>Bond to Concrete</b>	Concrete fails

(Below 20°C these times will be increased)

#### CHEMICAL RESISTANCE

**FS SCREED** is resistant to a wide range of chemicals. Specific data is available on request from the Technical Services Department.



#### COLOURS

**FS SCREED** is available in a limited range of colours. For details refer to colour chart. FS Screed may also be overcoated with Conren epoxy resin coatings to extend the range of finish colours available.

#### TEMPERATURE

**FS SCREED** should not be applied at temperatures below 10° C and above 40° C. A combination of low temperature and high humidity can effect the application and curing of this product.

#### INSTRUCTIONS FOR USE

##### MIXING AND APPLICATION

All surfaces to be treated with FS Screed should be clean, dry and roughened to provide a key. Dustfree shotblasting, scabbling, scarifying and planing are recommended methods of preparation for concrete, screed, asphalt, stone, wood and steel. Weak or friable surfaces should first be primed with WD Bonder to consolidate the base. Check that the preparation is complete. Mix WD Bonder by pouring the entire contents of the WD Bonder hardener container into the WD Bonder base container and mix thoroughly. Apply by brush or roller to the area to be treated with FS Screed, working to an area appropriate to the size of the units of FS Screed to be laid. Pour the entire contents of the FS Screed hardener container into the FS Screed base container and stir thoroughly until completely mixed. Add about half the contents of the FS aggregate bag to a forced action or cretriangle mixer and begin mixing. Whilst the aggregates are being blended add the previously mixed FS Screed into the aggregate mix and drain completely from the FS base container. Add the remaining aggregate to the mixing drum or pan and mix for approximately 2-3 minutes until the FS Screed is an even mortar consistency. Empty the mixed mortar onto the 'wet' primed WD Bonder and spread out evenly at the required thickness and trowel smooth with a steel trowel wiping the surface of the trowel with a damp cloth moistened with water. Never add water to the FS mortar mix or onto the surface of the FS Screed.

## COVERAGE & PACK SIZES

Pack size kg	Pack size ltr	Approx. Coverage
25kg	12ltr	2.4m <sup>2</sup> @ 5mm
50kg	24ltr	4.8m <sup>2</sup> @ 5mm

## PRECAUTIONS

**FS SCREED** should not be allowed to come into contact with skin and eyes or be swallowed. Avoid prolonged inhalation of resin hardener vapours. Epoxy resins and hardeners may act as skin sensitizers to some people. Gloves, goggles and a suitable barrier creams should therefore be used. Ensure adequate ventilation and if working in enclosed areas suitable breathing apparatus must be used. Skin contamination with any of the products should be removed immediately with soap and water. In the event that mixed resin comes into contact with the skin, it must be removed before it hardens with a good quality resin removing cream, followed by washing with soap and water. Do not use solvent. If accidental eye contamination occurs irrigate with copious quantities of clean water and seek medical advice. If ingestion of any of the materials takes place, seek medical attention immediately. Do not induce vomiting.

## DISPOSAL

All tools and equipment should be cleaned with Conren Solvent Cleaner immediately after use. Spillage should be absorbed with sand or sawdust and disposed of in accordance with statutory regulations.

## STORAGE

Shelf life at least 12 months if stored in original containers between 10° C and 25° C.

## CONTRACTING SERVICE

Conren Limited offers a contracting service for the application of all Conren products. This facility is back by a comprehensive technical and after sales service. We are able to contend with most problems in the field.

## TECHNICAL SERVICE & QUALITY ASSURANCE

All information provided in this leaflet is based on results obtained from our own experience and test and is give in good faith. The user will be deemed to have satisfied himself independently of the suitability of Conren's products for his own particular purpose. We guarantee to replace, free of charge, any goods supplied by us which are proved to our satisfaction defective, but, as the application of these materials is necessarily beyond our control, we will not accept responsibility for any damage or loss arising wholly or in part from these materials. Except as herein provided, any express or implied condition, warranty, statement or representation, statutory or otherwise as to the quality of the goods is expressly excluded.

## SPECIFICATION

Heavy-duty epoxy screed shall be Conren FS Screed.

All products to be applied in accordance with Conren's written instructions.

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