

**FS Screed** 

# Heavy Duty Epoxy Floor Screed

# DESCRIPTION

FS Screed is a three-pack solvent free epoxy resin mortar system designed 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.

# USES

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 both internally and externally.

### Advantages

Non-slip

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

# PHYSICAL PROPERTIES

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

(Below 20°C these times will be increased)

BS EN 13892-	Abrasion	AR 0.5
4:2002	Resistance	AR 0.5
BS EN 13892-	Deved Other esth	
8:2002	Bond Strength	B 2.0
BS 8204:Part 1	Impact	
2003	Resistance	Cat. A

CE BS EN 13813: 2002 / Synthetic Resin Screed Material

### 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.

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### **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, scabling, 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 creteangle 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 FS Screed.

Coverage and Pack Sizes		
Pack Size (Ltr)	Approx. Coverage	
12ltr	2.4m <sup>2</sup> @ 5mm	
24ltr	4.8m <sup>2</sup> @ 5mm	
	Pack Size (Ltr) 12ltr	

### 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

### 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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