

NUCEM HEAVY DUTY FLOOR SCREED

Self Smoothing Cementitious Floor Screed

Description

A flow applied self smoothing floor topping designed to be laid with minimum effort. Nucem Heavy Duty Floor Screed has good abrasion resistance and is designed to be laid between 5mm and 25mm.

Advantages

- Provides a smooth matt surface with a slip resistant finish.
- Suitable for pedestrian, vehicular and forklift traffic.
- Low odour.
- Resistant to vibration and impact.
- Material can be poured or pumped.

Technical Information

Typical results of compressive strength development given in N/mm² (BS1881:Pt 116).

24 hours	7 days	28 days
20	30	40

Pot Life at 20°C:	20 minutes
Min. Application Temp:	5°C
Max. Application Temp:	30°C
Density:	2050-2150
Water Addition:	4.75-5.25 Litres per 25 Kg Unit
Yield:	14.3 Litre per 25 Kg Pack
Cement Content:	> 400 Kg/M ³
Chloride:	< 0.1%
Colour:	Grey

Surface Preparation

All surfaces should be clean, dry, free from oil, grease and chemical contamination. Oil and grease can be removed using Desolve. Concrete surfaces should be free from laitance which should be removed by grit blasting or scarifying. If it is not practical to grit blast or scarify, it is possible to acid etch the floor with Chemclean. However, precautions must be made to prevent the concrete from absorbing excess moisture.

It is recommended that concrete substrates should not have a moisture content of more than 75% RH. This can be assessed using a hair hygrometer covered with polythene for 24 hours as recommended by BS 8203.

Steel surfaces should be prepared by grit blasting or grinding to remove all loose scale and rust.

Priming

The prepared surface should be primed using Nucem Heavy Duty Floor Screed Primer. Two applications are required, the first is made using a diluted Primer at a ratio of 1:5 with water. Once dried the second application can be made with the Primer diluted at a ratio of 1:3 with water. Each application should be applied at a rate of approximately 1 Litre per 10 M² depending on porosity of concrete. 24 hours should be allowed for the Primer to completely dry before the Screed is laid.

Mixing

Add the entire contents of bag to 2/3 of mixing water and thoroughly mix. Add remaining 1/3 to obtain required flowability.

Application Instructions

The mixed Nucem Heavy Duty Floor Screed should be poured on to the primed floor and spread to the required thickness using a pinscreed rake or serrated float. Immediately after trowelling, roll firmly using a spiked nylon roller to release any entrained air and remove trowel marks.

Expansion joints in the floor must be maintained and filled with an appropriate joint sealant.

All equipment should be cleaned immediately after use with clean water.

Once the screed has cured the surface should be sealed with one or two coats of Hydrocoat Clear or Pigmented water dispersable epoxy coating (for application instructions and coverage rates refer to Hydrocoat technical data sheet).

Packaging

Nucem Heavy Duty Floor Screed is available in 25 kg units (yield 14.3 litres).

Nucem Heavy Duty Floor Screed Primer is available in 5 litre and 25 litre units.



Storage

Nucem Heavy Duty Floor Screed and Primer should be stored at room temperature. Nucem Heavy Duty Floor Screed and Primer should be stored away from foodstuffs and out of the reach of children.

Health & Safety

Nucem Heavy Duty Floor Screed and Primer, like similar products, are capable of irritating unprotected sensitive skin, we therefore recommend the wearing of gloves and the use of a suitable barrier cream.

Limitations

Minimum application temperature 5°C.
Do not use below 10°C without consulting our Technical Department.
It is recommended that concrete substrates should not have a moisture content of more than 75% RH.
Not recommended for external use.

Technical Support

Through our technical department and laboratories we can offer a comprehensive service to specifiers and contractors.
Technical representatives are available throughout the UK to provide further information and arrange demonstrations.



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