

TECHNICAL INFORMATION

Density:	Approx. 2050 – 2150 kg/m ³
BRE Test Category BS8204-1	Category A achievable
Compressive Strength:	25N/mm ² - 30N/mm ²
Flexural Strength:	4-6N/mm ²
Flow Properties:	F5 Class
Fire Rating:	Non-Combustible
Drying Time:	1 week per 10 mm



CATEGORY OF USE OF FLOOR SCREEDS

The soundness categories of floors as described in BS 8204 for bonded and unbonded screeds are summarised below.

Type of Use	Examples of Type of Use	BRE Screed Test Category
Areas expected to take heavy traffic and/or where later disruption would be unacceptable	Hospital operating theatres, X-ray rooms. Research rooms where radioactive material is handled. Store rooms with heavy use. Telecommunications rooms. Areas of heavy trucking. Workshop areas	A
Areas expected to take heavy traffic	Areas where heavy trolleys are used. Public areas, corridors, main lift and lobby areas. Canteens and restaurants. Public rooms in residential accommodation. Hospital wards	B
Other areas expected to take foot traffic	Light office use. Consulting rooms. Domestic housing	C

STANDARD APPLICATIONS

General

GC SIKA Screed may only be applied by an approved contractor by Goode Concrete.

The building should be weather-tight before the screed is applied. Where appropriate, for example in ground floor applications, a damp proof membrane must be employed below the screed base. The floor area must be swept or vacuum-cleaned and free from any projections.

Preparation of Unbonded Floors or Floating Floors

Thickness 60mm to 120mm

A single sheet polythene sheeting of 150 micron minimum thickness (500 gauge) should be applied to the floor after all protrusions and dust have been removed. The sheet should be turned upwards 150mm above F.F.L to all walls and taped sufficiently. All overlaps should be taped together to prevent the screed flowing underneath.

Underfloor heating pipes are laid above the sheeting at 600mm c/c leaving a minimum of 30mm cover.

A 10mm expansion membrane is placed vertically around each wall. The area must be free from debris that may float while pouring.

Preparation of Bonded Floors

Thickness 50mm to 80mm

The building should be weather-tight and floors clean before application of bonding agent and screed.

Expansion membranes are also required and care in shuttering is required as the mix has high flow properties.

Bonding is generally required on repair work to adjust levels of a concrete sub-base where floor to ceiling height is an issue. To decrease the application thickness of the screed an engineer approved bonding agent is required to ensure there is no movement between the GC SIKA Screed and the concrete sub-base.

Post Application

Curing

There are no specific curing requirements but spraying of a curing membrane is strongly recommended. Protection from severe drafts and strong sunlight is necessary. The floor should not be covered by polythene sheeting and should not be subject to heating for 28 days after application.

Drying Time

Normal Drying

The drying time determined according to the requirements of BS 8203 code of practice for installation of resilient floor coverings and BS 5325 code of practice for installation of floor coverings at 20CC and 65% relative humidity is <1 week/cm depth of screed. Exact drying times are dependent on temperature, humidity and air movement through the building.