Nominal screed thicknesses by strength class and uniformly distributed load

The table shows the minimum nominal thicknesses of screeds modified with Bondera Chemicals additives. The minimum nominal thicknesses are given in mm, depending on the strength class achieved and the distributed load to be carried by the screed.

		Minimum nominal thickness per load case (in kN/m²)					
Strength class	Product	2 kN/m²	3 kN/m²	4 kN/m²	5 kN/m²	7 kN/m²	10 kN/m²
CT-C20/25-F4	mach 1	45 mm	65 mm	70 mm	75 mm	n/a	n/a
CT-C30/35-F5	mach 2, deka	35 mm	45 mm	50 mm	55 mm	75 mm	90 mm
CT-C40-F6	mach 3, deka, harb	35 mm	35 mm	40 mm	45 mm	70 mm	85 mm
CT-C60-F8	mach 3	30 mm	30 mm	40 mm	40 mm	60 mm	80 mm

Important information on nominal screed thicknesses

- The minimum nominal thicknesses apply to the following screed types: unbonded screeds (on a separating layer) and floating screeds.
- Heated screeds with underfloor heating: minimum nominal thickness measured above the heating pipe.
- Bonded screeds: minimum nominal thickness always ≥ 15 mm

Materials and standards

- CEM I or CEM II (A-L, A-LL, B-L, B-LL) following BS EN 197-1
- Aggregates following BS EN 13139
- Preliminary testing and suitability verification required prior to each use

Further information

- The stated minimum nominal screed thicknesses are based on a maximum insulation layer thickness of 80 mm.
- The compressibility of the insulation must not exceed 2 mm.
- Detailed application instructions and mix designs for achieving specific strength classes are given in the respective technical data sheets or are available on request.