

Technical Data Sheet



Date NOV 2015
Replaces May 2009

SUPASET Rapid set , Trowel Compound

PRODUCT DESCRIPTION

Superset is part of Nuplex's hand screed range which gives a ready-to-use compound simply by mixing with water. It exhibits very rapid hardening and drying properties.

APPLICATION AREAS

- Single component, quick hardening, cement based screed.
- GP concrete repair
- For resurfacing,
- Filling holes on floors of concrete, particle board and fibre board floor for a thickness of 1-100mm.
- May also be used as a filler on concrete walls.
- Part of MPS system as a prefill under roofing membranes

Superset is meant to be a surface for carpets, linoleum, PVC, , stone tiles and the like.

Superset is used for smoothing floors in such places as roofs, homes, offices, hospitals and schools where there is a demand for durability and resistance to wear under floor coverings.

INSTRUCTIONS

The surface should be cleaned of waste, dust, dirt, oil, fat, wax etc.

Caution: beware of curing compounds that may prevent adhesion.

Grind the concrete surface as necessary; this is normally a good cautionary practice.

Any laitance should be removed.

Supaset will generally bond well to prepared concrete.

However strongly absorbent surfaces, fibre board and particle board and concrete are primed with Duraseal primer; see Duraseal product sheet.

If better durability, adhesion and wear or greater elasticity are required, mix 1 litre FLC emulsion with 20kg. The amount of water is reduced in proportion.

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MIXING

Mix with an electric power drill.

Measure water with an accurate graduated plastic 5 lt measuring jug.

Superset is quite tolerant of water level additions:

- 3.6 – 4.0 litres water gives a thick mortar which can be used to form ramps, coves etc
- 4.8 – 5.0 litres water gives a pourable, trowelable paste that is better for thinner screeding. This will be slower to dry than the water level above.

Stir vigorously to a lump-free compound. The compound should be used within 10 minutes at 18°C. Higher temperatures reduce and lower temperatures increase the time.

The compound is spread over the surface with a steel trowel. A screed bar may be used.

check wetting and adhesion during the laying process.

The surface may be walked on after 60-90 minutes at 18°C. The drying times is dependent on ambient temperature, the screed's thickness and the moisture in the surface. Covering should normally be possible after 3-5 hours or when the RH is under the permitted value for the covering.

Note The surface should be protected against drying out too quickly by direct sunlight, high room temperature or other factors which may accelerate drying.

Contact Nuplex Industries for advice if uncertain about use.

COVERAGE AND AMOUNT APPLIED

1.6kg to cover an area of 1m² with a layer 1mm thick.

20kg bag and water will make 13 lts and will cover 4-5m² @ 3mm thick.

TECHNICAL INFORMATION

Note well:

Binder	Special cement
Ballast	Natural sand, max 0.25mm
Compression strength (28d)	>25 Mpa
Adhesion (28d)	>1.0Mpa
Usable time	Approx 10 minutes
Can be walked on after (+20°C)	Approx 60-90 minutes
May be covered after	Approx 3-5 hours*
Recommended thickness	1-100mm
Laying temperature	5°C - 25°C
Colour	Grey

*Depending on when the relative humidity is under the value for the covering. Drying time is dependent on ambient temperature, the screed's thickness, the surface's moisture content and temperature.

PACKING, DISTRIBUTION AND STORAGE

Superset is packed in 20kg plastic lined paper bags .

Data is obtained from the Nuplex website.

If Superset is stored dry then it will keep about 6 months in an unopened pack.