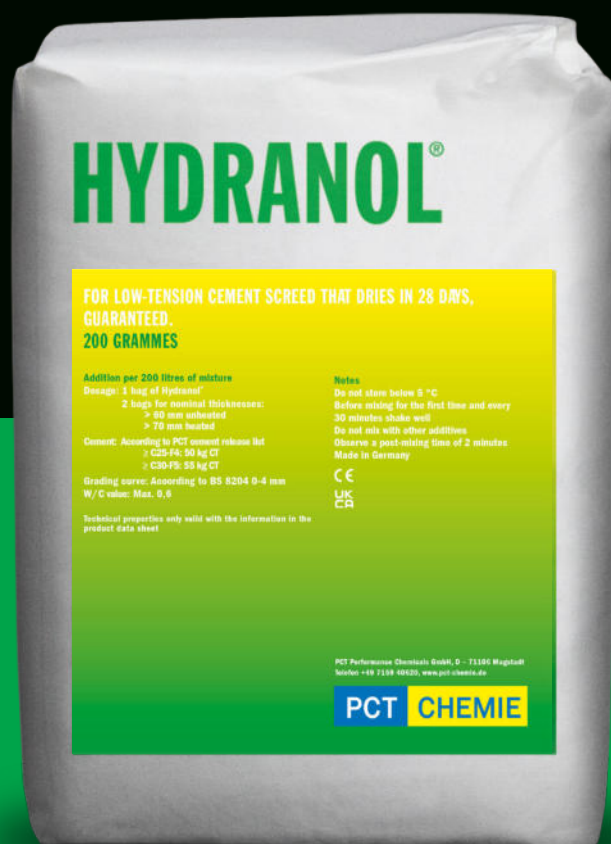


HYDRANOL®

For low-tension cement screed,
ready for covering after 28 days
and a strength of up to CT-C30-F5



Abbreviated product data sheet

HYDRANOL®

Hydranol® is an easy-to-use powdered additive for the creation of low-tension cement screeds offering a 28 day drying time and compressive and flexural strengths of C30 N/mm² and F5 N/mm² respectively.



DRYING TIMES

after 28 days



FOOT TRAFFIC

after 1 day



COMMISSIONING UFH

after 14 days



SURFACE STRENGTH

≥ 1,0 N/mm² (by C30-F5)



ENERGY EFFICIENCY CLASS

up to EC 2



COMPRESSIVE AND FLEXURAL STRENGTH

up to CT-C30-F5



NORMAL SITE TRAFFIC

after 7 days



MINIMUM NOMINAL THICKNESS 2 KN/M²

from 35 mm



SHRINKAGE

SW 2

DOSAGE & CEMENT QUANTITY

Compressive strength	CT-C25-F4	CT-C30-F5
Dosage	1 bag	1 bag
Cement quantity	50 kg	55 kg
Energy efficiency class	EC 1	EC 2
Commissioning cycle	13 days	13 days

· The specifications refer to a standard mixing vessel with a net capacity of 200 litres and a filling quantity of approx. 320 kg screed gravel.

· The strength class depends on the quality of the screed gravel used.

· For screed thicknesses over 60 mm or for heated screeds over 70 mm: add 2 bags.

· The specification 'after the X. Day' does not include the installation day.

POINT LOADS INFORMATION

Area load Point load	2,0 kN/m ² 1,0 kN	3,0 kN/m ² 2,0 kN	4,0 kN/m ² 3,0 kN	5,0 kN/m ² 4,0 kN	7,5 kN/m ² 6,0 kN	10,0 kN/m ² 8,0 kN
Flexuale strength ≥ F4	40 mm	50 mm	55 mm	60 mm	k. A.	k. A.
Flexuale strength ≥ F5	35 mm	45 mm	50 mm	55 mm	75 mm	90 mm

· Specifications, unless otherwise defined, as minimum nominal thickness (without UFH) or minimum pipe cover (with UFH).

AREAS OF APPLICATION

- For all screeds according to BS 13892/ BS 8204
- Screed are suitable for indoor and outdoor areas as well as in permanently wet areas

SAND, WATER, CEMENT

- **Grading curve:** Sand must be according to BS 13892-2, for the production of screed concrete, grain size range 0-4 mm
- **W/C ratio:** **min 0.4** max. 0.6
- **Cement:** Use of cement according to the PCT cement release list

MIXING INSTRUCTIONS

1. Fill the screed machine halfway with sand plus the total amount of cement.
2. Add one sachet of Hydranol® per mixture plus the mixing water and then fill the machine completely.
3. Gradually add the required amount of residual water, until a stiff, plastic consistency is achieved.
4. Allow a post-mixing time of 2 minutes to ensure homogeneous mixing and thus product functionality.

PROCESSING INSTRUCTIONS

- **Working time:** 60 minutes
- **Finishing time:** 90 minutes
- **Outside temperature:** +5 °C to +28 °C for screed, environment and substrate
- Do not mix with other screed additives
- Never reactivate screed that has already set with water

FURTHER PRODUCT FEATURES

- Stress and shrinkage-reduced according to SW 2
- Density approx. 2,000 to 2,200 kg/m³
- Better processing and lower peel resistance
- Virtually independent of building climate conditions
- Reduction of air content
- Start ventilation after the 1st day
- Moisture protection for at least 2 months

CM MEASUREMENT

- In the case of a Hydranol® screed, the CM measurement including guarantee declaration and acceptance of warranty by PCT is not included.
- The CM measurement is therefore carried out after the 28th day by the floor layer as part of his inspection obligation.
- If a CM measurement and approval is desired or required, this can be ordered from PCT for an additional charge. Please contact the internal sales department for this.

DOWNLOADS

- Heating protocols
- Point load informations
- Product brochure
- Moisture protection
- Winter rules
- Approved cement list






IMPORTANT NOTE

This is an abbreviated version of the product information serves as a simple 'product guide' to provide an overview of the main properties of our products and to support product selection within the PCT Chemie range.

For detailed technical information on the correct application of the products on the construction site, including the relevant site conditions such as manufacturer's specifications, standards and state of the art, please refer to the detailed version of the product brochure.

The specified technical properties can only be guaranteed if these general conditions are observed.

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