RISOL 111/RISOL PLUS

FOR FAST CURING, QUALITY-OPTIMISED SCREED SURFACES.

PCT CHEMIE

RISOL 111/RISOL PLUS
THE SCREED STABILISER.

1. FUNCTION

Improvement of screed homogeneity. Reduction of air pore content, shrinkage (curling) and crack formation, plasticising effect with good water retention capacity, high early strength. Hard enough to walk on after 1 day, able to bear loads after 3 days. Improvement of surface properties.

2. APPLICATION RANGE

For making easy-to-smooth and easy-to-level bonded-cement screeds, screeds on separation layers, floating screeds and heating screeds.

Risol 111/Risol Plus is suitable for use indoors and outdoors and in permanently wet areas.
Please note: Risol 111/Risol Plus does not accelerate the drying process.

3. TECHNICAL DATA

Risol 111/Risol Plus is compatible with CEM I and CEM II cements in accordance with DIN EN 197. Only use types of cement approved by PCT.

The chemical composition of Risol 111/Plus does not affect the properties of heating pipe materials and is therefore suitable for use on all DIN-compliant surface heating systems.

Characteristics			
Colour	Dark brown	Material	Above +5 °C
State	Liquid	Storage stability	Approx. 12 months – store protected from sunlight and above freezing point.
Density (at +20 °C)	1.11	Delivery form	Disposable container PVC canister: 20 kg net

4. INSTRUCTIONS FOR USE

All relevant standards, especially DIN 18353, DIN EN 13813 and DIN 18560, technical instructions and customary industry practices and standards must be observed. For heated screeds, EN 1264-4 and the technical information “Interface coordination for heated floor structures” of the Zentralverband Sanitär Heizung Klima (Central Sanitary, Heating and Air Conditioning Trade Association), St. Augustin, and the information sheets published by the ZDB (Central Association of the German Building Trade) in connection with heated floor structures are also applicable.

Risol 111/Risol Plus must not be used in combination with other additives such as air-entraining agents.

Dosage: 0.2 % to 0.3 % of cement weight. Observe water reduction. Higher dosages are only possible in coordination with PCT-Chemie GmbH. Add Risol 111/Risol Plus to the first mixing water. The water amount must then be increased (without Risol 111/Risol Plus) such that the preferred application consistency is obtained. **Risol 111/Risol Plus must not be added using the typically used water barrel.** Overdosage and/or high W/C ratios (> 0.7) can affect the consistency of the mortar to the extent that it is unusable and increase the air pore content of the screed, reducing its strengths. PCT recommends the application of earth-moist to stiff-plastic screed mixtures.

After delivery to the site the mortar must be spread, compacted in accordance with customary industry practices and standards, levelled evenly and, if necessary, also smoothed. The use of smoothing machines is recommended because higher finish qualities and strengths are obtained. Dummy joints and expansion joints must be made in accordance with customary industry practices and standards and the relevant information provided in the respective standards and worksheets of the trade associations.

Seal open containers airtight immediately after use and use the contents as quickly as possible.

5. BUILDING CLIMATOLOGY

Protect surfaces from draught and direct sunlight during the curing process. Freshly made surfaces must be protected from too rapid drying. When applying floor screed outdoors, appropriate protective measures must be taken against direct sunlight, too rapid drying and rain (rain protection for at least 3 days after screed application). When applying floor screed in the hot summer months it is recommended to restrict the application work to the (early) morning hours.

6. MEASUREMENT OF WORKABILITY

Before application of the floor covering the residual moisture of the screed must be measured in accordance with the CM method by the floor layer.

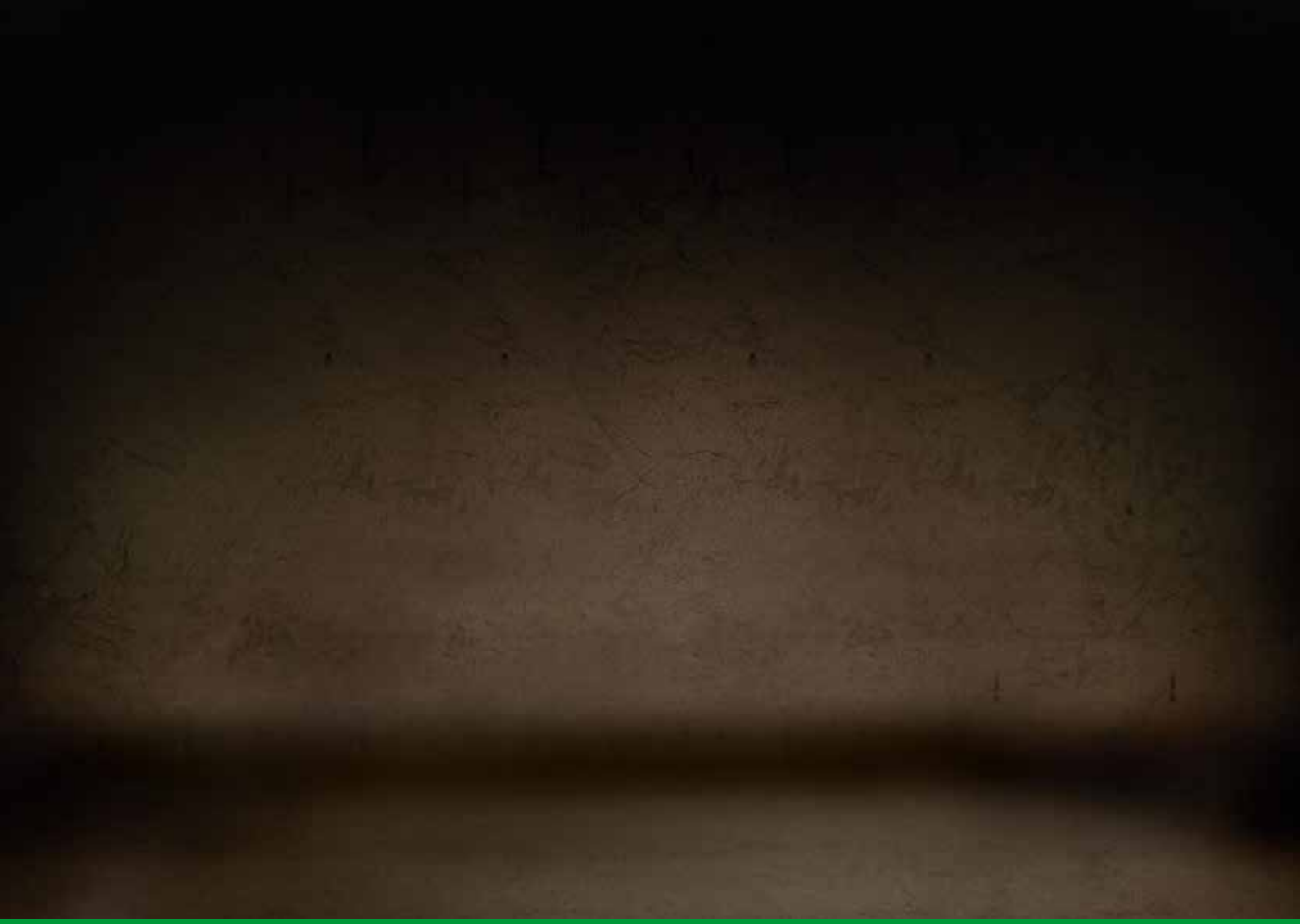
7. GENERAL

Risol 111/Risol Plus is a screed refining agent and additive. The user is obliged to carry out appropriate initial inspections as part of the conformity declaration in accordance with DIN EN 13818 and DIN 18560-1. Moreover, regular inspections of the screed production/manufacture and follow-ups in the so-called “Factory Production Control Manual” are mandatory. Initial inspections according to DIN EN 13813 are also generally required if the raw materials (sand and/or cement and/or additives) used for the screed production change. PCT provides customer support here at all times. Should you have any questions, please do not hesitate to contact PCT.

8. DISPOSAL

Do not allow to enter the aquatic environment, sewage system or soil. Recycle completely empty containers (non-drip and open).

All the information on this product given above is based on extensive practical experience and tests implemented by PCT Performance Chemicals GmbH. However, it is not possible to take all construction site conditions into account and to give suitable instructions for use in each case. It is therefore recommended to verify the applicability, appropriateness and practicability of this information and the intended measures by means of individual tests. PCT assumes warranty for the correctness of this product information and the described properties as well as for the effect of the product. PCT reserves the right to change the product specifications. If the site is or has been supervised by PCT the user is under no obligation to check applicability and appropriateness.



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