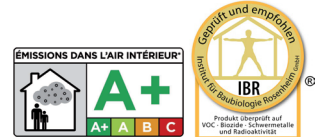




TECHNICAL DATA SHEET Page 1/2

QUICKUP additively complies with the measures of the AgBB scheme as well as the DIBT additive principles. It was tested by the Institute for Building Biology in Rosenheim and certified to be environmentally compatible building materials, classified in emission class A+ as virtually emission-free.



APPLICATION AREA

- For the production of heating screed (DIN18560-2)
- For the production of floating screed
- For the production of compound screed
- For the production of screed on separating layer
- For the production of industrial screed (observe dosage)

PROPERTIES

- Significantly improved processing properties
- Effectiveness virtually regardless of temperature and weather conditions
- Significant reduction in shrinkage and deformation behavior
- Significantly higher early screed stability
- Reduction of curing time
- High energy and savings potential

- The information regarding readiness for laying refer to a screed thickness of 40-50 mm for unheated and 60-70 mm for heated screed structures
- In case of higher screed thickness, the dosage **must** be increased in order to achieve the specified readiness for laying

Recommended dosage for a 200-liter mixture (observe initial and/or mandatory inspection as per standard compliance)		
Readiness for laying in days	Cement in kg	QUICKUP in ml
5 *	58	500
5 - 7	50	400
10 - 13	50	350
18 - 20	50	300

* Please note the climatic conditions; CEM I 42,5 R/N oder CEM II A-L 42,5 R/N cement after approval by e-4 GmbH

- Resilient for walking after 24 hours
- Resilient for max. half of the specified final stability at readiness-for-laying of 5-7 days after 48 hours and after 72 hours with readiness-for-laying of 7-20 days
- Ensure proper dosage or consultation with the manufacturer (e-4 GmbH) required
- Due to its chemical formulation, QUICKUP high-performance accelerator possesses a rewetting protection until the top layer floor is laid if the operating instructions from the technical data sheet are observed and adherence to the normative climatic conditions is ensured after the surface is ready for laying. The client is responsible for creating the appropriate climatic conditions for the premises.
- Air drafts must be prevented; sufficient air exchange must be ensured (shock ventilation 4 times for 20 minutes)

CONSTRUCTION CLIMATIC CONDITIONS

- Note construction site preparation as per DIN 18560
- Protection from rain, draft and direct sun exposure during the hydration phase
- Ensure air exchange for shock ventilation without a draft
- Normative climatic conditions are a precondition for the screed quality in curing and stability which must be exclusively guaranteed by the builder owner or the authorized representative
- At temperatures below 5 °C, the setting process of the binding agent is delayed and/or interrupted (hydration and stability standstill) and the readiness-for-laying for the test aspect residual moisture is not properly achieved

SCREED CURING

- Freshly laid screed/special screed may not be covered during the curing process. The screed may not partially covered with building materials, such as gypsum boards - this will delay the curing process and lead to false results in the moisture measurement



PROCESSING INFORMATION

- Shake well before use
- Add selected dosage to first mixing water
- The mixing duration is min. 2 minutes after addition of all components
- Limit mixing water to minimum (water reduction or note W/Z-value)
- No additives of other manufacturers may be used when adding our products
- All e-4 products are compatible with each other

STARTING MATERIALS

- Cement: CEM I or all CEM II cement kinds approved by e-4 GmbH
- Supplement: Pursuant to DIN EN 13139 and DIN 1045-2 grading curve A/B, 0-8 mm for the production of screed mortar
- All sand grading curves A/B, 0-4 mm approved by e-4 GmbH, with the compression and bending tensile strength specified here are not applicable according to the technical data sheet. For sand grading curve A/B 0-4 mm, the initial and mandatory tests must be performed in order to determine the respective stability
- Recommended W/Z-value 0.45-0.55
- QUICKUP according to general dosage

MEASURING READINESS-FOR-LAYING

- Pursuant to the info sheet of the BEB (No. 8.1), the residual moisture of the screed must be determined using a CM-measurement (work instruction BEB CM-measurement):
- For quick-drying, accelerated and new screed systems, the moisture limit value for the readiness-for-laying and the measuring method must be communicated in writing and forwarded to the planner/builder owner and to the floor layer (BEB info sheet No. 8.1)
- The surface is ready for laying once the CM-values as per table for QUICKUP screed were achieved (always updated at www.estrich4.com)
- At least 1 measurement must be performed for screed areas up to 100 m². For larger areas, one measurement per 200 m² is sufficient. In residential construction, one measurement per apartment unit is advised. 3 measurements are to be performed per 200 m² area. In order for the number of marked measuring locations to be sufficient, intermediate foil tests are recommended before performing another CM-measurement. The surface has sufficiently dried if no traces of moisture appear within 24 hours at max. flow temperature under a 50x50 cm PE foil covering the area and taped down at the edges. The intermediate foil tests and additional CM-measurement(s) constitute special services
- Where Darr tests are required, they must be performed at 50 °C

SAFETY INFORMATION

- General industrial hygiene must be observed when using our e-4 products
- e-4 GREENLINE products have been tested for environmental compatibility by an independent institute and can be used without concern any time

STANDARDS AND INSPECTION PROVISIONS

All common standards, provisions and crafts regulations apply, in particular DIN 18560, ÖNORM 3732, EN 13318, EN 13813, DIN 18353 and the work standards BEB newest version as well as the state of technology in screed laying

Please note: The English translation is based on the German original. The translated version of the German data sheets is a courtesy translation and for informational purposes only. In case of dispute, controversy or inconsistency between the German version and the version in another language the German version is binding in accordance with the legal provisions. The German version is available on our website or will be sent upon written request.

Our information is based on our current experiences and developments thus we take warranty for the flawless quality of our products. We cannot assume responsibility for the success of the work carried out by you, as no legal liability can be derived due to different construction site conditions, laying techniques and construction work. We recommend creating a trial area for individual situations. Moreover, our General Terms and Conditions apply. With the publication of this technical data sheet, any previous versions are no longer valid.

Color: brown
Form: liquid
Form of delivery: Canister 20 kg net

Shelf life: min. 1 year, store protected from sunlight and frost
Processing temperature: from +5 °C to +30 °C