

SCREEDRY

Drying process monitoring of screed



Form for installation and reading

*To be filled in by floor-layer personnel and handed over
to building site manager*

Version 2007-11-20

Drying process monitoring of screed using SCREEDRY-indicators

Product Description

The SCREEDRY-indicators are intended to be embedded in screed in conjunction with casting (pumping). The indicators contain a reversible humidity sensor which is visible through the indicator window. A striping pattern, initially visible, becomes invisible when the drying process has reached a level corresponding to 85% RH (relative humidity). The indicators contain no electrical components but are based on physical/chemical mechanisms. The product is developed by Alfasensor AB.

Field of Application

The SCREEDRY system is intended for screed products of normal drying type (i. e. not self drying). SCREEDRY-indicators can be used in all applications when a certain dryness level is required before applying moisture sensitive coverings. The indicator is adapted for a screed layer thickness in the range of 25-50mm. In applications where an alternative moisture content measuring technique is required, the SCREEDRY-system can still be used to determine the proper time to conduct such measurements.

This is how you make a reading

Remove the top cover. Determine if a striping pattern is visible through the window. The pattern is visible as long as the RH is higher than 85%. In rare occasions the pattern can be slightly blurred, however, this shall also be interpreted as a visible pattern. A flashlight may facilitate the reading. No striping pattern is visible when the RH goes below 85%.

Below, the reversible sensor is shown at a moist and dry state respectively.



*The screed is moist!
(RH>85%)*



*The screed is dry!
(RH<85%)*

The attached table can be used to note conducted readings.

Dismounting

When the measurement is finished the indicator is removed by pulling up the indicator using a pair of pliers. Extract the reversible sensor attached to a metal core and any up fragments over the floor level. The remaining hole is repaired using a suitable repair mortar.

The floor layers copy
Information about installed indicators

Floor layer company

Contact person

Contact info. (Telephone No.)

Date of floor laying

Number of indicators installed

The placement of indicators are indicated on an attached drawing

Yes

No

Placement of *SCREEDRY*-indicators (if not indicated on drawing)

Indicator No	Description of Placement
S1	
S2	
S3	
S4	
S5	
S6	
S7	
S8	
S9	
S10	

The above information has been passed over (Please, sign and elucidate)!

Floor layers signing:

Building site managers signing:

Elucidation:

Elucidation:

The Building Site Managers copy
Information about installed indicators

Floor layer company

Contact person

Contact info. (Telephone No.)

Date of floor laying

Number of indicators installed

The placement of indicators are indicated on an attached drawing Yes No

Placement of *SCREEDRY*-indicators (if not indicated on drawing)

Indicator No	Description of Placement
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S2	
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S6	
S7	
S8	
S9	
S10	

The above information has been passed over (Please, sign and elucidate)!

Floor layers signing: _____

Building site managers signing: _____

Elucidation: _____

Elucidation: _____

Support

Please, don't hesitate to contact Alfasensor if you have any questions or would like to discuss any matter concerning the *SCREEDRY* measuring system!

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