

## GROUT SEALANT

**Self-declaration** that the named products comply with the requirements for grout sealant as per BREEAM-NOR's chapter HEA 9

This form must be filled out by the **MANUFACTURER** of grout sealant.

It is important that the information given here is correct, and we strongly encourage thoroughness in researching the extent to which emission testing and/or test reports show that the product complies with the standards and emission limit values required by BREEAM-NOR. If in doubt, the manufacturer should consult own internal and external experts. **Providing incorrect and misleading information can have legal consequences.**

Once filled-out, the form must be signed by a legally responsible person for the manufacturer, such as a technical director or a managing director.

|                                                                                                                                                      |                                                                                                                                                                                                                                                      |                                                  |     |    |                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----|----|-------------------------------------------------------------------|
| <b>MANUFACTURER:</b>                                                                                                                                 |                                                                                                                                                                                                                                                      | Hilti Corporate                                  |     |    |                                                                   |
| <b>PRODUCT TRADE NAME:</b>                                                                                                                           |                                                                                                                                                                                                                                                      | CFS-S SIL<br>(CP 601S)                           |     |    |                                                                   |
| <b>PRODUCT ID:</b><br>Add the product ID to the list to the right or send it to:<br><a href="mailto:Document@cobuilder.no">Document@cobuilder.no</a> |                                                                                                                                                                                                                                                      | <a href="#">Download a product-list template</a> |     |    |                                                                   |
| <b>DOCUMENTATION</b> The following combinations of tests and approvals are accepted as documentation (1-2; OR 3 OR 4)                                |                                                                                                                                                                                                                                                      |                                                  | YES | NO | Comments (e.g. «test not conducted», «does not meet requirement») |
| <b>REQUIREMENTS</b>                                                                                                                                  |                                                                                                                                                                                                                                                      | <b>Relevant standards</b>                        |     |    |                                                                   |
| 1.                                                                                                                                                   | The manufacturer can confirm that the product is EC1 PLUS-certified (EC1+) in accordance with Emicode's new criteria from 2010.                                                                                                                      |                                                  |     | No |                                                                   |
| 2.a                                                                                                                                                  | The product has an emission test which shows that its emissions of ammonia are below <b>0,03 mg/m<sup>2</sup>h</b> <sup>1) 2)</sup>                                                                                                                  |                                                  |     | No |                                                                   |
| 2.b                                                                                                                                                  | The product has no emission test measuring the ammonia emissions, but the undersigned can confirm:<br>1) That ammonia is not traceably active in the product, <u>AND</u><br>2) The product does not contain chemicals that can decompose to ammonia. |                                                  | YES |    | Ammonia conc.<br><0.01mg/m <sup>3</sup><br>according to M1        |

|           |                                                                                                                                                                                                                                                          |                               |     |    |                                                      |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----|----|------------------------------------------------------|
| <b>OR</b> |                                                                                                                                                                                                                                                          |                               |     |    |                                                      |
| 3.        | The manufacturer can confirm that the product is M1-certified                                                                                                                                                                                            | RTS (version 22.1.2015)       | YES |    |                                                      |
| <b>OR</b> |                                                                                                                                                                                                                                                          |                               |     |    |                                                      |
| 4.        | The product has undergone an emission test which shows that its TVOC emission is below <b>0,2 mg/m<sup>2</sup>h</b> <sup>1) 2)</sup>                                                                                                                     | NS-EN 15251:2007 (Appendix C) |     | No |                                                      |
| 5.        | The product has undergone an emission test which shows that its formaldehyde emission is below <b>0,05 mg/m<sup>2</sup>h</b> <sup>1) 2)</sup>                                                                                                            | NS-EN 15251:2007 (Appendix C) |     | No |                                                      |
| 6.a       | The product has undergone an emission test which shows that its ammonia emission is below <b>0,03 mg/m<sup>2</sup>h</b> <sup>1) 2)</sup>                                                                                                                 | NS-EN 15251:2007 (Appendix C) |     | No |                                                      |
| 6.b       | The product has no emission test measuring the ammonia emissions, but the undersigned can confirm:<br><br>1) That ammonia is not traceably active in the product, <u>AND</u><br>2) The product does not contain chemicals that can decompose to ammonia. |                               | YES |    | Ammonia conc. <0.01mg/m <sup>3</sup> according to M1 |
| 7         | The product has undergone an emission test which shows that its emissions of cancer-causing compounds (IARC) are below <b>0,005 mg/m<sup>2</sup>h</b> <sup>1) 2)</sup>                                                                                   | NS-EN 15251:2007 (Appendix C) |     | No |                                                      |
| 8         | The product has undergone an emission test which shows that odour dissatisfaction is below 15%. If deemed not applicable for the product, please provide more details in the comment field. <sup>1)</sup>                                                | NS-EN 15251:2007 (Appendix C) |     | No | Sensor testing according to M1                       |

|   |                                                                                                                         |           |   |   |  |
|---|-------------------------------------------------------------------------------------------------------------------------|-----------|---|---|--|
| 9 | The tests in points 4-9 have been performed in acc. with ISO 16000-series with measurements made after <b>28 days</b> . | ISO 16000 | - | - |  |
|---|-------------------------------------------------------------------------------------------------------------------------|-----------|---|---|--|

- 1) On [www.ngbc.no](http://www.ngbc.no) under "Frequently asked questions" there is help in assessing different known emission certificates against the requirements in NS-EN 15251.
- 2) Note that the emissions here are measured in mg/m<sup>2</sup>h. Most emission certificates use mg/m<sup>3</sup>. There is a way to convert these units in order to compare the results. Your preferred laboratory can help you with this.

Legally responsible:  
Martin Althof

Position:  
Head of Quality BU Fire Protection

Date:  
19.04.2018

Signature:



