|  |  |  |
| --- | --- | --- |
| Assingment no. | Arrival date | Testing date |
|  |  |  |

**ORDER**  
**TESTING OF HARDENED CONCRETE** *Signed by Vattenfall AB* **Gray fields are mandatory**(Send a copy with the specimens)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SAMPLE** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cube | | | Cored/cylinder specimen | | | | | | | | | | | | | | Prism | | | | | | | Other: | | | | | | | | | | | | |
| Number            mm | | | Number     Ø       mm | | | | | | | | *L*:*d* proportion | | | | | | Number           mm | | | | | | |
| 1:1 | | 2:1 | | | |
| **Storage before specimen preparation** | | | | | | | | | | | | | | | | | | Air | | | | | | | | | | Water | | | | | | | Sealed container | |
| **Storage until testing** | | | | | | | | | | | | | | | | | | Air, number of days: | | | | | | | | | | Water | | | | | | | Sealed container | |
| **TESTING OF** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pretest | | | | Continuous testing | | | | | | | | | | | Comparative testing | | | | | | | | | | |  | | | | | | | | | | |
| **Compressive strength** | | | | | | | | | **Tensile splitting** | | | | | | | | | | | **Compressive strength prisms.** | | | | | | | | | | | | **Depth of penetration** | | | | |
| SS-EN 12390-3 | | | | | | | | | SS-EN 12390-6 | | | | | | | | | | | SS-EN 196-1 | | | | | | | | | | | | SS-EN 12390-8 | | | | |
| **Freeze-thaw resistance** | | | | | | Sawn surface | | | | | | | | Salt water | | | | | | | Casted surface | | | | | | | Accelerated carbonated surface | | | | | | | | |
| SS 13 72 44 | | | | | | Top surface | | | | | | | | Fresh water | | | | | | | 112 cycles | | | | | | | Carbonated surface | | | | | | | | |
| Other tests: | | | | | | | | | | | | **Carbonization depth** SS 13 72 42 | | | | | | | | | | | | | | | | | | | **Chloride content** RCT | | | | | |
| **Tensile strength** SS 13 72 31  **Bond Strength** SS-EN 14488-4:2005 + A1:2008 | | | | | | | | | | | | | | | | | | | **Chloride content** VU-SC:51 | | | | | |
| **Cement content** VU-SC:50 | | | | | |
| **INFORMATION ABOUT THE CONCRETE** (From the client) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Specimen labeling**: | | | | | | | | | | | | | | | | Construction site: | | | | | | | | | | | | | | | | | | | | |
| Structural part: | | | | | | | | | | | | | | | | | | | | |
| **Casting date:** | | | | | | | | Date | | | | | | | |
| **Intended age of testing, days** | | | | | | | | | | | | | | | | Cement manufacturer: | | | | | | | | | | | | | | | | | | Factory no: | | |
| Exposure class: | | | | | | | |  | | | | | | | | Intended air content:      % | | | | | | | | | | | Measured air content, mixing:      % | | | | | | | | | |
| Compressive strength class: | | | | | | | |  | | | | | | | | Measured air content: | | | | | | | | At delivery      % | | | | | | | | | | | After Pump     % | |
| Vct/Vbt: | | | | | | | |  | | | | | | | | Intended consistency: | | | | | | | |  | | | | | | | | | | | | |
| Chloride content class: | | | | | | | |  | | | | | | | | Measured consistency: | | | | | | | | | Mixing | | | | | | | | At delivery | | | |
| Cement type: | | | | | | | |  | | | | | | | | Concrete temp: | | | | | | °C | | | | | | | | | | | | | | |
| Cement content: | | | | | | | |  | | | | | kg/m3 | | | Max aggregate size: | | | | | | |  | | | | | | | | | | | | | |
| Aggregate supplier/state of origin/Sort: | | | | | | | | | | | | | | | | Additives product name: | | | | | | | | | | | | | | | | | | | | Quantity % of cement weight: |
| Sampler: | | | | | | | | | | | | | | | | Additives product name: | | | | | | | | | | | | | | | | | | | | Quantity % of cement weight: |
| Place of sampling | | | | | | | | | | | | | | | | Additives product name: | | | | | | | | | | | | | | | | | | | | Quantity % of cement weight: |
| Construction site | | | | | | | Factory | | | | | | | | |
| Other: | | | | | | | | | | | | | | | | Additives product name: | | | | | | | | | | | | | | | | | | | | Quantity kg/m3: |
| **DESIRED PRESENTATION OF RESULTS** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Desired presentation of the advance notice from freeze-thaw resistance** | | | | | | | | | | | | | | | For freeze-thaw resistance the results will be sent at 56 cycles if nothing else has been informed. If nothing is chosen for the desired presentation of results, only a email will be sent. | | | | | | | | | | | | | | | **Desired presentation of results:** | | | | | | |
| Results only by email | | | | | | |
| At cycles | | | | | For 112 days, at cycles | | | | | | | | | | Advance notice by email | | | | | | |
| 7 | 14 | 28 | 42 | | 56 | | | 70 | | 84 | | | 98 | | Original by mail and results by email | | | | | | |
| Original by mail (postal) | | | | | | |
| **Email, address:** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Copy to:** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Postal address for original:** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Client** | | | | | | | | | | | | | | | | | | | **Account no.** | | | | | | | | | | **Invoice address** | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | **Corporate identity no.** | | | | | | | | | |  | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | |
| **Contact** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | **Telephone no.** | | | | | | | |