

SR

SEMENTTI CEMENT

Sulphate resistant cement

CEM I 42.5 N – SR3

SR cement is a sulphate-resistant cement that is suitable for structures exposed to sulphate attack. Typical applications are foundations and bridges, as well as concrete structures for the wood processing and chemical industries.

Thanks to the low water demand of SR cement, concrete can be produced with a low water-cement ratio, which makes concrete denser and more durable. SR cement is made from special cement clinker with a maximum C_3A content of 3.0%.

Cement properties

Cement properties	Requirements (SFS-EN 197-1)
Strength 2 d	≥ 10 MPa
Strength 28 d	≥ 42.5 MPa and ≤ 62.5 MPa
Initial setting time	≥ 60 min
Soundness	≤ 10 mm
Loss on ignition	$\leq 5\%$
Insoluble residue	$\leq 5\%$
SO_3	$\leq 3.0\%$
Chloride content	$\leq 0.10\%$
C_3A	$\leq 3.0\%$

Cement composition

Cement composition	Requirements (SFS-EN 197-1)
Cement clinker	$\geq 95\%$ and $\leq 100\%$

Cement properties

Cement properties	Requirements (REACH N:o 1907/2006)
Cr6+	≤ 2 mg/kg

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