

Stucco Italiano



STUCCO COMPACTING CONCRETE

DESCRIPTION

STUCCO COMPACTING CONCRETE (SCC) is a self-compacting concrete mixture with improved workability and a flowable consistency, and allows fast placing of the concrete even in difficult to reach areas.

ADVANTAGES

- SCC is faster placed, with reduced labour and equipment;
- No vibration and less finishing needed;
- Improved health and safety conditions;
- Reduced noise pollution;
- Improved quality and durability;
- Cost effective technology;
- High early strength;
- SCC has a low permeability;
- It is self compacting;
- SCC has improved workability.

NO VIBRATION

SCC is extremely cohesive and flowable without segregation. These excellent properties make SCC capable of being placed without vibration.

FLOWING PROPERTIES

Due to its composition, SCC shows a very smooth and fluid consistency.

The outstanding flowing properties of SCC allow production of complex and fine elements, even through congested reinforcement.

APPLICATION

SCC can be mixed in most concrete mixing equipment. It can be placed as pumped concrete, poured directly or by skip.

ECONOMICAL

Although SCC is easy to cast, it is of the highest quality without any defects. It has the advantage of reductions in manpower and equipment, resulting in lower overall costs.

QUALITY

SCC is consistent with the highest achievable standards.

DURABILITY

The consistency of the fresh concrete, as well as no effect from unnecessary vibration, results in a more homogeneous surface layer. This reduces the permeability and increases resistance against Chloride ingress, carbonation and other chemical attacks.

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SCC PROPERTIES	
Compressive Strength	
After seven (7) days	35MPa
After fourteen (14) days	45 MPa
After twenty-eight (28) days	50MPa
Density	2 345kg/m ³
W/C ratio	0.35
Mixing ratio: Water : Bag 20kg	2,4L : 20kg
Air content	0.5%
Slump flow range	700 – 800mm
WARNING	
Do not ingest. Keep away from children and pets. Do not empty into drains.	
PRECAUTIONS	
Wear rubber gloves. In the event of contact with eyes or skin, rinse thoroughly with cold water. If irritation or discomfort occurs, seek medical advice.	
MANUFACTURED BY	
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