

# Rescon T

## Anti-washout admixture for underwater concrete castings



### SOME APPLICATION EXAMPLES

**Rescon T** can be used for all types of underwater applications:

- structural underwater castings;
- reparations and restorations.

The casting methods can be:

- with a pump;
- with tube pumping equipment;
- free casting with large buckets;
- raceway casting.

### TECHNICAL CHARACTERISTICS

**Rescon T** is a powder anti-washout admixture for underwater concrete or mortar castings. When **Rescon T** is added, underwater concrete becomes:

- without cement or fine particle washout;
- cohesive;
- stable and without segregation;
- self compacting;
- easy to pump;
- highly fluid.

### APPLICATION PROCEDURE

Due to the cohesion obtained and low miscibility with water, the concrete will be more viscous and will adhere better to the mixers and equipment more than normal concrete. **Rescon T** should preferably be added after the other ingredients (cement, aggregates, water), but can be mixed dry before adding water. If added directly into the truck mixer, **Rescon T** must be poured into the drum with the aggregates. Mixing time must be 20 minutes.

### STORAGE

Store the product in a dry place.  
If stored in sealed packaging in a dry place, the quality of the product will be stable for at least 12 months.

### PACKAGING

25 kg bags.

### COVERAGE

10-25 kg/m<sup>3</sup> of concrete.

### MIX DESIGN

Example of **Rescon T** concrete mix design per m<sup>3</sup>:

cement: 350-500 kg;  
Silica Fume: 0-10%;  
aggregates (50/50 ratio sand/gravel  $d_{max} = 25$  mm):  
1450-1650 kg;

**Rescon T**: 10-25 kg;  
water: 190-240 kg.

### CERTIFICATES / RESCON T APPROVALS

FCB, Research Institute on cement and concrete, Tr. Heim NTH, Norway-STF 65 A83089, December 1983.  
FCB, Research Institute on cement and concrete, Tr. Heim NTH, Norway-40046, April 1984.  
NOTEBY report 21212, June 1984.

**Approvals:** SP 131-1 National Swedish Research Institute.

FOR PROFESSIONALS.

### WARNING

*N.B. - Although the technical details and recommendations contained in this product report correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical applications: for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application: in every case, the user alone is fully responsible for any consequences deriving from the use of the product.*

## TECHNICAL DATA (typical values)

### PRODUCT IDENTITY

<b>Consistency:</b>	powder
<b>Colour:</b>	grey-white
<b>Specific gravity:</b>	600 kg/m <sup>3</sup>
<b>Chlorides:</b>	absent
<b>Dosage:</b>	10 - 25 kg/m <sup>3</sup>

## SOME REFERENCES - RESCON T CONCRETE

Project	Depth	Client	Contractor	Year
Gullfaks A, North Sea, offshore rig	50 m	Statoil, Norway	Norwegian contractor	1984
Mjosbrua (bridge), Norway	10 m	Norwegian Administration of public roads	JCC	1985
Solbergfoss Power Plant, Norway	5 m	Solbergfoss Power Plant	Selmer	1985
Eftelot Bridge, Norway	10 m	Norwegian Administration of public roads	Astrup Hoyer	1985
Stromstad Bridge, Sweden	5 m	Swedish Administration of public roads	Fardigbetong	1986
Filipstad Bridge, Sweden	5 m	Swedish Administration of public roads	Gallerasen	1986
Giskebrua, Norway	20 m	Norwegian Administration of public roads	Selmer	1988
Smogen Bridge, Sweden	20 m	Swedish Administration of public roads	Aker	1989
Dutch Bridge, Sweden	15 m	Swedish Administration of public roads	NCC	1990
Hamra A Bridge, Sweden	5 m	Swedish Administration of public roads	Aker	1990
Helgelands Bridge, Norway	30 m	Norwegian Administration of public roads	Aker	1990
Ranasfoss Power Plant, Norway	10 m	Ranasfoss Power Plant	Eeg Henriksen	1991
Bergoy Sundet Bridge, Norway	15 m	Norwegian Administration of public roads	AF Bergsoys	1991
Askoy Bridge, Norway	20 m	Norwegian Administration of public roads	Selmer	1991
Salhus Bridge	10 m	Norwegian Administration of public roads	Selmer	1993
Troll gas pipes, North Sea	170 m	Statoil	AF Group	1994

