

SOLHYDACCEL WG

Hardening accelerating admixture for grouts, mortar and self consolidating concrete (SCC)

SOLHYDACCEL WG is a ready-to-use liquid admixture for concrete that acts as a strength gain accelerator. **SOLHYDACCEL WG** does not contain added calcium chloride or chloride ions and is designed to increase the initial strength and workability of concrete in cold weather down to -7 °C.

USES

TYPICALS USES :

As an additive for concrete to accelerate the hardening of grouts, mortars and self-placing concrete in cold weather, such as:

SOLHYDGROUT GC
SOLHYDFLOW GROUT 6%
STRUCTUROC H-ULTRA
SOLHYDCRETE SCC-10
STRUCTUROC V

PRODUCT FEATURES

High initial strength and accelerated curing for use down to -7°C

Increased workability and finish properties

- No loss of workability
- Reduce segregation and bleeding
- Keep properties of cementitious products while accelerating their hardening.

SURFACE PREPARATION

The surface preparation of the repair to be carried out must be made in accordance with the "SURFACE PREPARATION" section of the data sheet of the cementitious product used.

SUGGESTED DOSAGES

The following dosages are suggested for a temperature of -7°C.

SOLHYDGROUT GC = 600 ml / bag

SOLHYDFLOW GROUT 6% = 650 ml / bag

STRUCTUROC H-ULTRA = 375 ml / bag

SOLHYDCRETE SCC-10 = 400 ml / bag

STRUCTUROC V = 425 ml / bag

Please refer to your SOLHYDROC representative for recommended dosages based on the ambient temperature during your work

PHYSICAL MATERIAL PROPERTIES AT -7°C

COMPRESSIVE STRENGTH ASTM C109-93

SOLHYDGROUT GC	24 h	35,0 MPa (5000 psi)
	7 days	48,2 MPa (6990 psi)
SOLHYDFLOW GROUT 6%	4 days	12,5 MPa (1800 psi)
	7 days	19,8 MPa (2800 psi)
STRUCTUROC H-ULTRA	24 h	30,7 MPa (4500 psi)
	7 days	51,8 MPa (7500 psi)
SOLHYDCRETE SCC-10	24 h	1,4 MPa (200 psi)
	7 days	38,6 MPa (5600 psi)
STRUCTUROC V	6 days	15,6 MPa (2200 psi)
	14 days	28,0 MPa (4000 psi)

SOLHYDACCEL WG is manufactured to meet the requirements of ASTM C494 Concrete Additive Standard Type "C" and Type "E"

SOLHYDACCEL WG meets the requirements of ASTM C1622

SOLHYDROC

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MIXING

Remove the amount of **SOLHYDACCEL WG** from the amount of mixing water suggested in the Cement Product Data Sheet to be used.

Add the cement product to the amount of the mixing water and mix for 3 minutes.

Add the amount of **SOLHYDACCEL WG** to the mixture.

ACI recommendations 306 "Recommended Practices for cold weather concreting" should be followed when temperatures are below 10 ° C.

PRODUCT APPLICATION

Finish according to the "APPLICATION" section of the data sheet of the cementitious product used.

CURING

Repair must be frost-free for the first 24 hours after product placement.

Temper the cement product, water and **SOLHYDACCEL WG**.

PRECAUTION / RESTRICTIONS

The quantity of **SOLHYDACCEL WG** must replace the same amount of mixing water

Do not mix **SOLHYDACCEL WG** directly with the cementitious product.

Do not add **SOLHYDACCEL WG** directly to the mixing water before mixing, this would result in a loss of fluidity

Protect the product from frost. If the product freezes, thaw and mix vigorously.

PACKAGING

SOLHYDACCEL WG is available in 500 ml bottles and 18.9 liters.

STORAGE

Store in a tempered place.

SÉCURITÉ

See Material Safety Data Sheet

SOLHYDROC WARRANTS that the product conforms to its chemical description and is reasonably fit for the purpose stated on its Technical Bulletin when used in accordance with its directions. SOLHYDROC makes NO OTHER WARRANTY either expressed or implied. Buyer assumes all risk in handling.

For Professional Use Only

www.solhydroc.com