



# 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

Admixture to accelerate concrete curing in cold weather.

### TYPICAL USES:

To accelerate the curing of grouts, mortars, and self-compacting 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 finishing properties
- No loss of workability
- Reduces 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

Please refer to your BMQ SOLUTIONS representative to obtain the recommended dosages based on the ambient temperature during your work.

### Suggested dosages 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

## MATERIAL PHYSICAL PROPERTIES / PERFORMANCE @ -7°C (19.4°F)

COMPRESSIVE STRENGTH ASTM C109-93 50 mm (2") Cubes			NOTES
SOLHYDGROUT GC	24 h	35.0 MPa (5,000 psi)	SOLHYDACCEL WG is manufactured to meet the requirements of ASTM C494 Concrete Additive Standard Type «C» and Type «E»
	7 days	48.2 MPa (6,990 psi)	
SOLHYDFLOW GROUT 6%	4 days	12.5 MPa (1,800 psi)	OLHYDACCEL WG meets the requirements of ASTM C1622
	7 days	19.8 MPa (2,800 psi)	
STRUCTUROC H-ULTRA	24 h	12.5 MPa (1,800 psi)	
	7 days	19.8 MPa (2,800 psi)	
SOLHYDCRETE SCC-10	24 h	1.4 MPa (200 psi)	
	7 days	38.6 MPa (5,600 psi)	
STRUCTUROC V	6 days	15.6 MPa (2,200 psi)	
	14 days	28.0 MPa (4,000 psi)	



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## ■ PRODUCT 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

### FINITION :

- 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.

## ■ PRECAUTIONS / 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:

500 ml bottles, and  
18.9 liter containers

## ■ STORAGE

Store in a tempered place.

## ■ SAFETY

See Material Safety Data Sheet.