Cugla BV
Pobox 3477, NL-4800 DL Breda
Rudonk 11, NL-4824 AJ Breda
Tel +31 76 541 06 00
info@cugla.nl
www.cugla.com

CUGLA® HR-54 CON.20% SPL

0956-CPR-1501

CUGLA HR-54 is the result of the development of a new generation of super plasticizer based on polycarboxylates.

CUGLA HR-54 gives concrete mortar a unique combination of properties, namely:

- Very high workability for 60 minutes
- Higher initial and final strengths due to the prevention of micro-bleeding
- Optimal density

This makes CUGLA HR-54 ideal for the following applications:

- High Strength Concrete
- Self Compacting Concrete

Advantages

Workability	The strong plasticizing effect can give concrete mortar with a very low water-cement factor a plastic and long workability.
	With a modified mixture composition it is possible to produce a highly stable self-compacting concrete mortar.
Strength	High initial and final strength.
Durability	Watertight concrete, environment class XA3.
Cement savings	Standard compositions can be produced with considerably less cement.
Compaction	Production of self-compacting concrete mortar is possible without the segregation of the concrete mortar.

Product properties

Product name		CUGLA HR-54 SPL			
Category		Superplasticizing admixture			
Manufacturer/supplier		CUGLA			
Colour code		Grey			
Effective component		Modified poly carboxylate ether			
Physical state		Liquid			
Colour		Brown			
Soluble in water		Yes			
Concentration	%	20			
pH		3 – 8			
Absolute density	kg/l	1,05 ± 0,02			
Dry material content	%	20 ± 1,0			
Total chlorine	%	< 0,1			
Water soluble chlorine	%	< 0,1			
Alkali content	%	1,0			

Use and dosage instructions

Manner / moment of dosage	Preferably add to the last part of the mixing water				
Recommended dosage	Depending on the desired consistency of the concrete				
Processing temperature	5 - 30 °C				
Shelf life and storage	Up to 1 year after manufacturing date, frost-free				
Suitable for use in	Non-reinforced concrete Reinforced concrete Pre-stressed concrete				
Not compatible with	Aluminium cement: only in consultation with CUGLA Other admixtures: only in consultation with CUGLA				
Concentration	**%**	20			
Maximum recommended dosage	**% in regard to cement**	1,5			
	cc per 100 kg cement	1429			
	For dosage higher than the maximum recommended dosage, please contact the Cugla Product Manager for advice				

Packaging

In cans, barrels, containers and/or bulk

Health and environmental factors

Cugla recommends that when using Cugla admixtures:

- Should the product come in contact with eyes, rinse immediately with water and seek medical advice.
- Should the product come in contact with skin, wash immediately with soap and water.
- Should you feel ill, consult a doctor, showing him/her this sheet or the safety information sheet.

Safety data sheets, SDS, are available via our website www.cugla.com.

Changes to this document will not automatically be issued. Any previous product information hereby becomes null and void. The above data is provided to the best of our knowledge. The tests have been carried out under laboratory conditions. We will not accept any liability for the results achieved on the work, now that we have no influence on the process nor the specific conditions of the work.

Our general sales, delivery and payment conditions apply to all our transactions and are available at www.cugla.com.