





INDEXRETARD

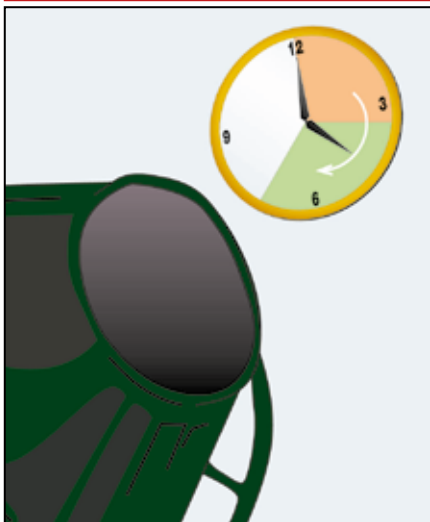
LIQUID RETARDANT ADDITIVE FOR MORTAR, CONCRETE AND ADHESIVES.
ESSENTIAL IN HOT CLIMATES

GRANTS *LEED* CREDITS

CHARACTERISTICS	ENVIRONMENTAL	METHOD OF USE	PRECAUTIONS
 WATER BASED	 ECO GREEN	 MIX MECHANICALLY	 STORAGE: KEEP AWAY FROM FROST

PROBLEM

HOW TO INCREASE THE WORKABLE TIME OF MORTARS AND CONCRETE?



SOLUTION

An odourless, transparent, water-based solution to retard cement setting and keep the mix workable for as long as possible.

A secondary effect improves the fluidity of the mix more or less significantly depending on the amount of product used.

APPLICATION FIELDS

INDEXRETARD is mainly intended for concrete with a medium mechanical resistance (Rck 20-30 Mpa).

It is particularly suitable for all applications where you want to keep the mix workable and/or have a moderate hydration speed of the cement with fast curing.

The most common fields of use are:

- pre-packed concrete, especially in warm climates
- pumped concrete
- concrete casting
- retarded cement mortar that can be used many hours after mixing

INDEXRETARD is compatible with the other additives for mortar and concrete.



ADVANTAGES

- Improved workability.
- Improved fluidity.
- Increases the duration of the mix.

METHOD OF USE

INDEXRETARD can be added to the water of the mix before the cement so the cement granules will be mixed better, or after having introduced all the components of the mix. In this case the action of the additive is more effective in time.

• COVERAGE

Il consumo è di 0,1-0,6% sul peso del cemento.

• PRECAUTIONS

- Don't use in winter or in very cold climates
- Mix the product well before using
- Don't exceed the recommended doses.



TECHNICAL CHARACTERISTICS

	Standard	INDEXRETARD
Appearance		Liquid
Colour		Transparent/amber
Density	ISO 758	1.35 ± 0.01 kg/L
Dry residue		18%
Health hazard		no
Flammability		no
Storage in original packaging in a dry place, away from frost		12 months
Performance characteristics	Standard	Product performance
Class and type	EN 934-2	T8
Air content in fresh concrete	EN 12305-7	6% ×3% Add
Setting time at maximum dosage	EN 480-2	810'±3% ×0.6% Add
Compression strength	EN 12390	>40 N/mm ²
Chloride content	EN 480-10	Absent
Resistance to corrosion	EN 934-2	Test passed
Thermal resistance - Working temperature		-30°C ÷ +90°C
Hazardous substances	EN 934-2	According note in ZA.1

Test conditions: temperature 23±2°C, 50±5% R.H. and air velocity in test area <0.2 m/s. **These parameters may vary based on the specific conditions of the worksite: temperature, humidity, ventilation, porosity of the substrate.**

Compliant with the general principles defined in EN 1504-2 - Principles for evaluation of the use of products and systems.

the numerous possible uses and the possible interference of conditions or elements beyond our control, we assume no responsibility regarding the results which are obtained. The purchasers, of their own accord and under their own responsibility, must establish the suitability of the product for the envisaged use.

The figures shown are average indicative figures relevant to current production and may be changed or updated by INDEX at any time without previous warning. The advice and technical information provided, is what results from our best knowledge regarding the properties and the use of the product. Considering

PACKAGING

1-kg-Bottle in 12-bottles box

• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE • IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS •

index Construction Systems and Products Via G. Rossini, 22 - 37060 Castel D'Azzano (VR) - Italy - C.P.67 T. +39 045 8546201 - F. +39 045 518390	Internet: www.index-spa.com Informazioni Tecniche Commerciali tecom@indexspa.it Amministrazione e Segreteria index@indexspa.it Index Export Dept. index.export@indexspa.it					
---	---	--	--	--	--	--