

# SICIT GROUP



**WORLDWIDE LEADER IN THE  
PRODUCTION OF AMINOACIDS  
AND PEPTIDES**

**With 50 years experience in this sector**





## PlastRetard®

The multifunctional additive and retarder for  
gypsum

**QUALITY** makes the difference!



# LABORATORIES

**Quality control laboratory for checking all the requirements and commercial specifications of each batch of production.**

**Inductively coupled plasma – Optical Emission Spectrophotometer (ICP-OES):**  
Determination of concentrations of metal and non-metal elements in properly pre-treated samples through the Lambert-Beer law applied to light emission of elements excited by the thermal energy supplied by a plasma





# BUILDING SECTOR

## Worldwide Presence

PlastRetard is being used  
by over 1000 plaster and Plasterboard plants  
in more than 80 countries



Argentina	Cyprus	Indonesia	Mexico	Slovenia	U.K.
Australia	Czech Rep.	Iran	Moldova	South Africa	Ukraine
Austria	Croatia	Israel	Morocco	Spain	USA
Azerbaijan	Egypt	Italy	Netherlands	Sweden	Vietnam
Belgium	Finland	Japan	Norway	Switzerland	Zimbabwe
Belorussia	France	Kazakhstan	Poland	Taiwan	
Brasil	Germany	Korea	Portugal	Thailand	
Canada	Greece	Latvia	Romania	Tunisia	
Chile	Hungary	Macedonia	Russia	Turkey	
China	India	Malaysia	Saudi Arabia	Emirates	
Colombia					



SICIT 2000



**SICIT2000 S.p.A.**  
a S.I.C.I.T. S.p.A. Group Company

# PLAST RETARD

The multifunctional additive for higher quality products.

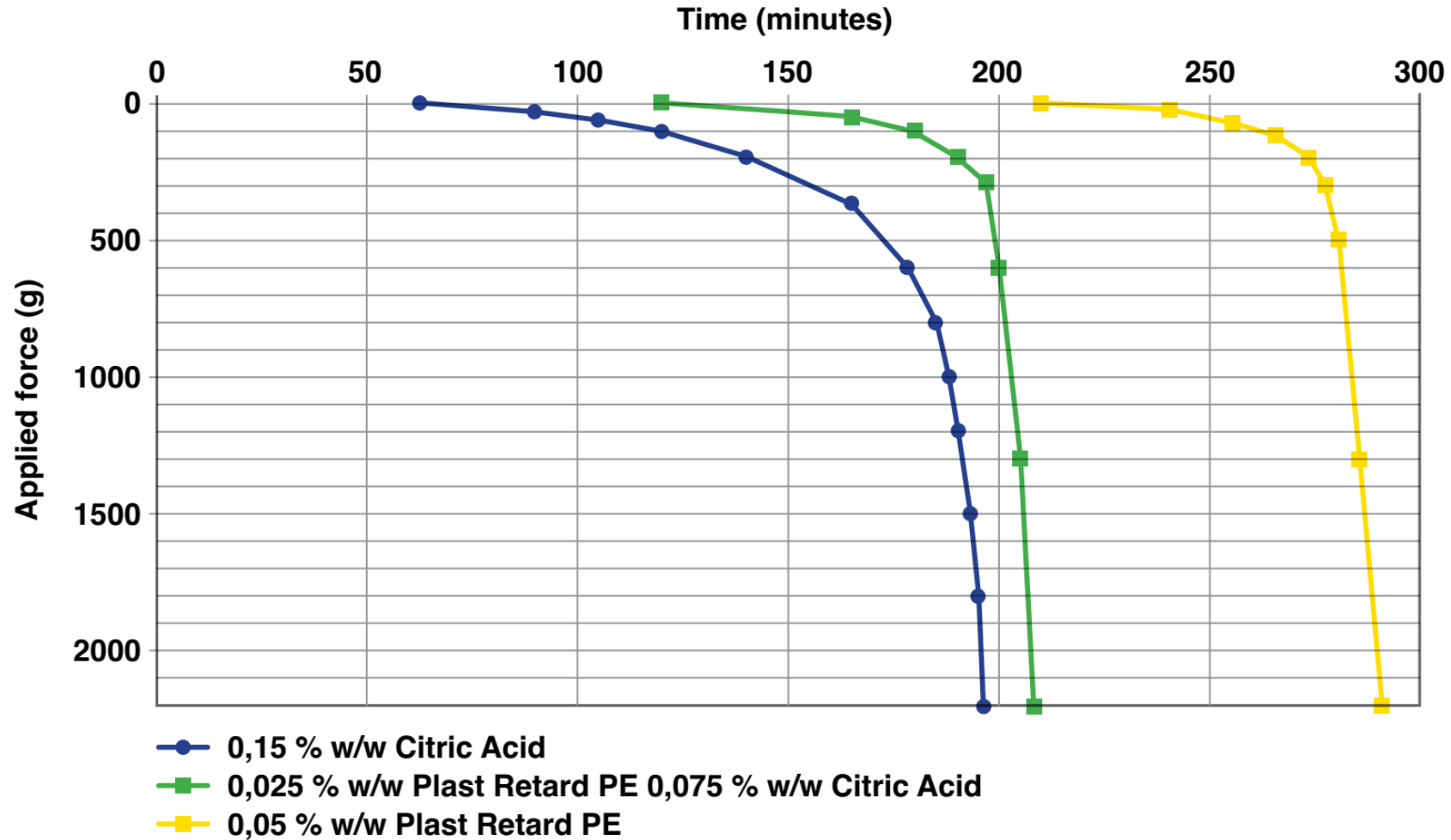


## GYPSUM SETTING RETARDER

- > Extension of the initial setting.
- > High performance at low dosage.
- > Standardized quality.
- > Biodegradable product.
- > Long Shelf Life (over 3 years).
- > Compatible with other additives.
- > Not affecting strength.
- > Not nourishing moulds.

## Plast Retard PE and Citric Acid

SETTING DIAGRAMS OBTAINED USING AN AUTOMATIC PENETROMETER RELATIVE TO CITRIC ACID/PLAST RETARD PE MIXTURES



Plast Retard      does not affect resistance

**The effect of retarders on the resistance of hardened stucco**

	<b>No Retarder</b>	<b>Plast Retard PE</b>	<b>Plast Retard PE</b>
Retarder Content % of Plaster	0	0,08	0,40
Initial Setting Time VICAT Method (minutes)	24	40	165
Expansion (mm)	0,20	0,20	0,16
Flexural Strength (kg/cm <sup>2</sup> )	45	45	45
Compressive Strength (kg/cm <sup>2</sup> )	92	92	90



SICIT2000 S.p.A.  
a S.I.C.I.T. S.p.A. Group Company

# PLAST RETARD L

LIQUID FORM

The multifunctional additive  
for a high performance wallboard line.

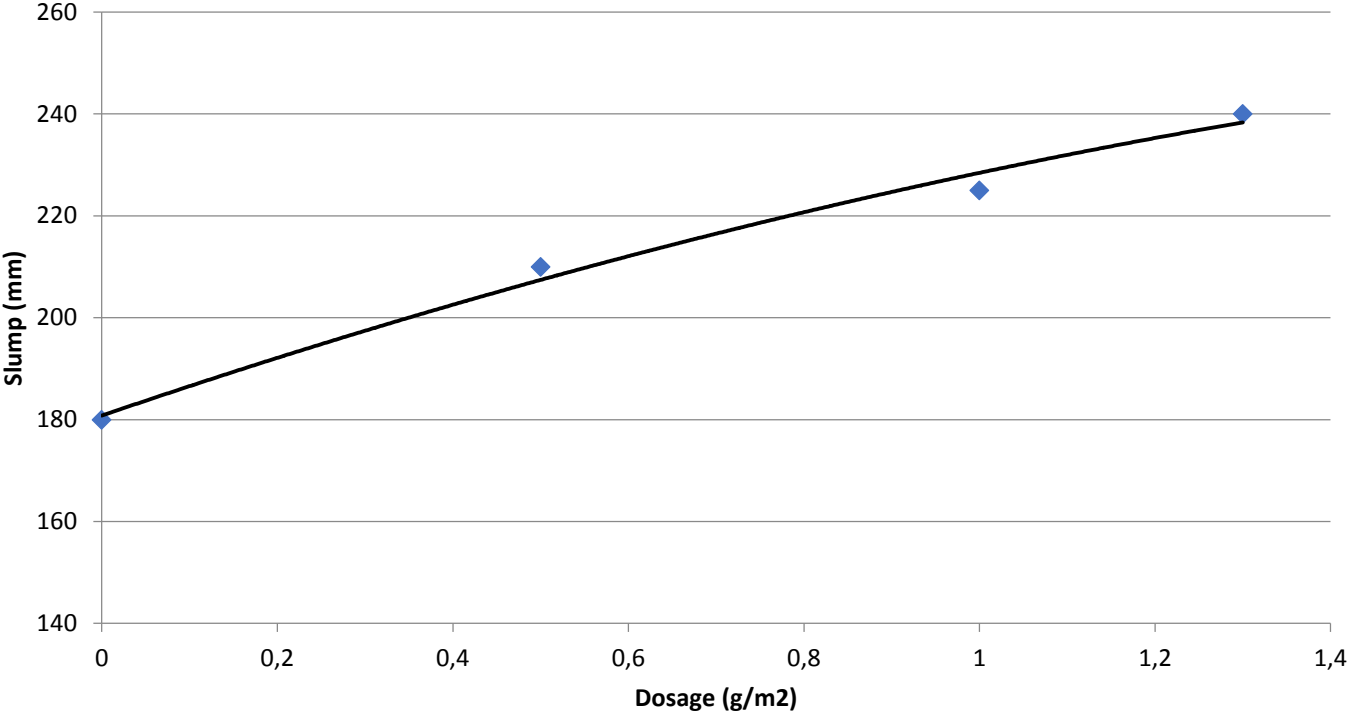


## BEYOND RETARDING EFFECT

- > Extension of the initial stiffening without slowing the setting speed.
- > Cost effective price for a given effect.
- > Easy to handle and to dose.
- > Regular, reliable.
- > No health hazard - Biodegradable product.
- > Shelf Life: 3 years.
- > Not affecting the strength of the final product.
- > Compatible with other additives.
- > Not nourishing moulds.



Dosage Curve PlastRetard L





## SICIT2000 S.p.A.

Via Arzignano, 80  
36072 Chiampo (VI) Italy  
Tel. +39 0444 450 946  
Fax +39 0444 677 180  
Mobile +39 345 720 35 81  
[sicit2000@sicit2000.it](mailto:sicit2000@sicit2000.it)  
[www.plastretard.com](http://www.plastretard.com)



**PLAST  
RETARD**  
The multifunctional additive