

Designing  
new values  
in chemistry





# Lamcol

Estudo de ativos para encontrar a melhor densidade e viscosidade para se trabalhar, evitando desperdício de dinheiro e correções desnecessárias



# Our Global Presence





# Company Highlights

**655**

M€ Net Group sales 2023

**1.366**

Employees worldwide

**191**

Year of foundation

**14%**

Researchers

**10+**

Synthesis Laboratories

**20+**

Application Laboratories

**38**

No. of operations 2023

**496**

Active Patents

**>90%**

Eco-friendly products



# Sustainability Commitment

SUSTAINABILITY REPORT 2022

**we are.**  
Governance



**The Challenge and the opportunity**

GOING FURTHER TOGETHER

*The knowledge, experience and sustainability culture we have gathered publishing our 4th SR is a sound basis to achieve future targets which involves both regulatory aspects, such as **The European Green Deal** with EU's climate targets for 2030 and 2050 and the yet more stringent customers and stakeholders' requirements.*

*Putting together both these aspects becomes "the challenge and the opportunity" for our company, bearing always in mind the thorough balance among three primary aspects of full sustainability: environmental, social and economic.*

*I would like to thank all **Lamberti people**, particularly those involved in this project, aiming at setting up a sustainable and competitive company.*

Paolo Lamberti, President and CEO

54

55



**SUSTAINABLE & CIRCULAR POLICY**

**GOLD**

2023

**ecovadis**

Sustainability Rating



# Systemic solutions

Our technologies per market

	Cellulosics	Hydrocolloids	Acrylics	Waterbased polyurethanes	Polymeric matting agents	Oleochemicals
Agriculture	•	•	•	•		•
Ceramic and Glassware	•		•	•		•
Energy Solutions	•	•	•			•
Leather	•	•	•	•	•	•
Natural Polymers	•	•				•
Personal care		•	•		•	•
Surface Treatment	•	•	•	•	•	•
Surfactants						•
Textile Finishing and Printing	•	•	•	•	•	•

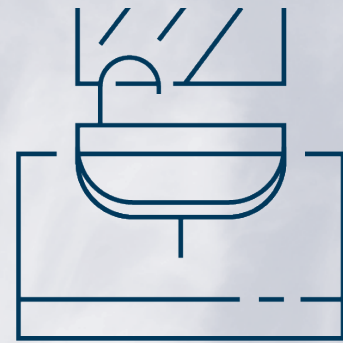


## Lamberti Ceramics Division

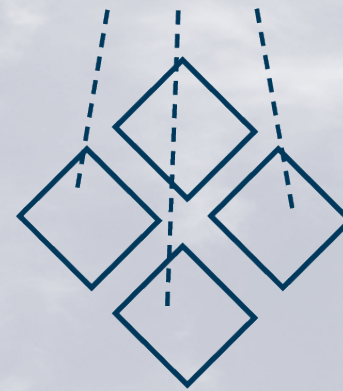
*Our know-how and experience serve very different and varied industries.*



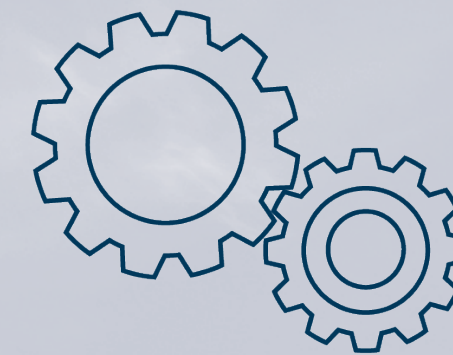
Tiles



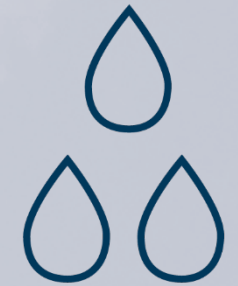
Whiteware



Glass



Technical  
Ceramics



Glaze and Ink  
manufacturers



# Tiles

## *Applications*

### → Body Preparation Solutions

- Deflocculants,
- Binders
- Etc...

### → Traditional and Digital Glazing

- CMC
- Dispersants
- Binders
- Levelling agents
- Antifoaming agents
- Medium and glues for grits.
- Etc...
- **Lamcol** is a new generation of multifunctional additives that guarantee excellent homogeneity of glazes without requiring the addition of other additives in the glaze line

### → Inkjet Digital Solutions

- Superdispersant agent for inkjet inks,
- Solvents for Inkjet inks,
- Surfactants,
- Binders.

### → Special Products

- Antibacterial agents,
- Rheology modifiers,
- Anti scratch polymers,
- Temporary colours agents.



# Lamcol

## *Chemicals for grinding process of glazes and engobe*

→ Improvement of the stability of the glaze during the time

Improve the Rheology of the glazes for Airless, Bell/vela because the grinding process produce a perfect homogeneity of the glazes.

→ Elimination of the repellency

Repellence before and after inkjet decoration is eliminate.

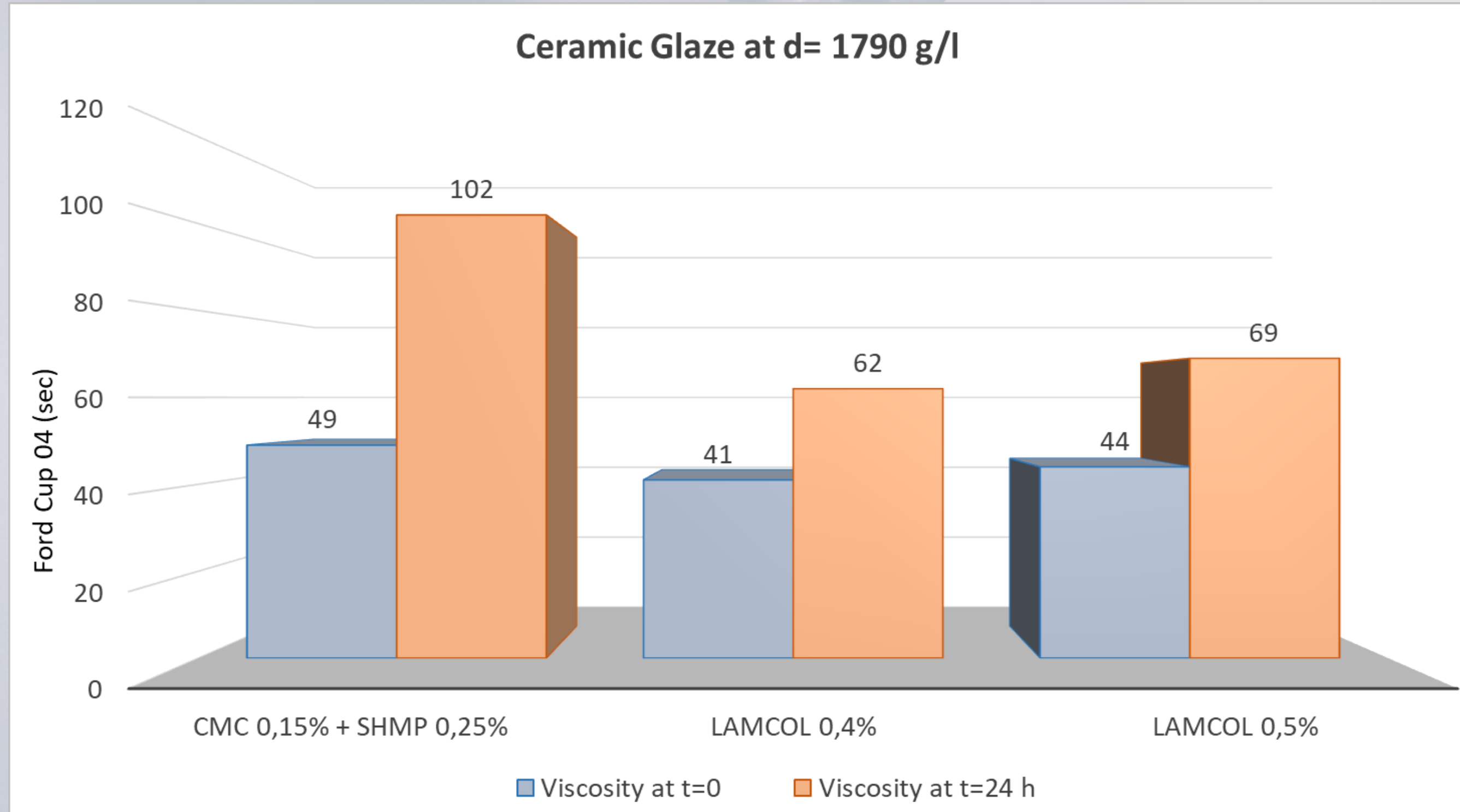
→ Creation of self-levelling of the glaze during the application

→ Increase of the working density

Increase the density of the glazes reducing the problem of water absorbed on the slabs or big tiles.

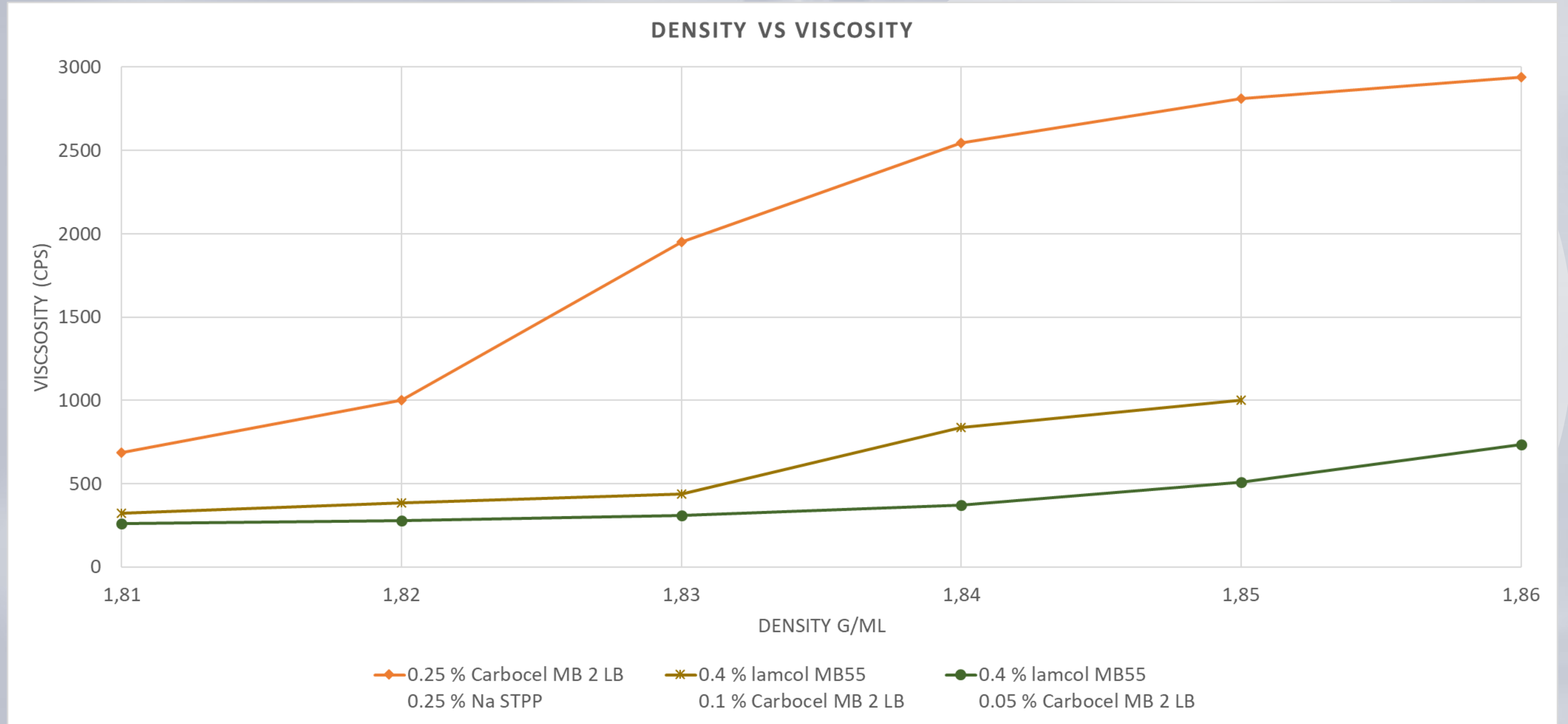


# Improvement of the stability of the glaze during the time





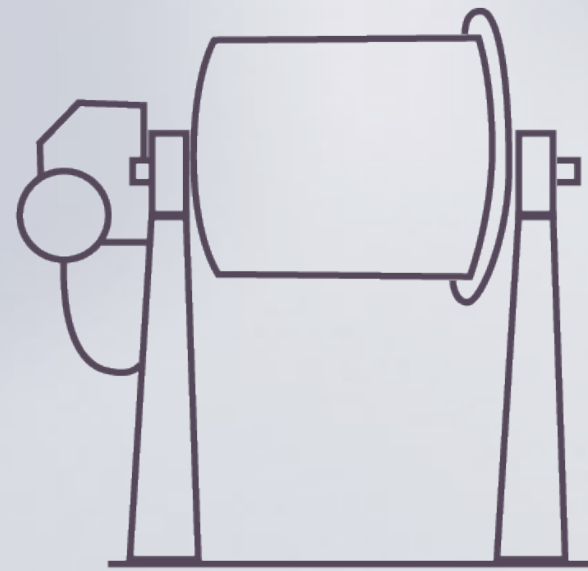
# Increase of the working density



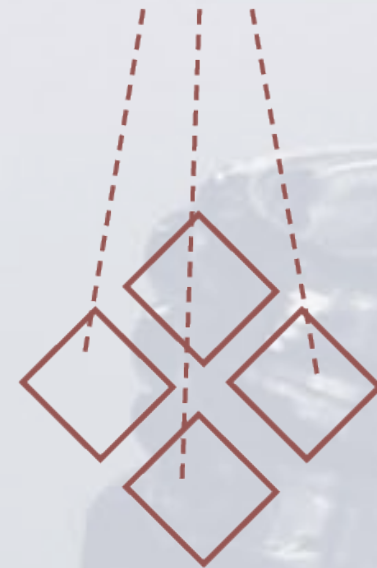


## Glaze's standard production and additives

Water + cmc + STPP + glaze powder



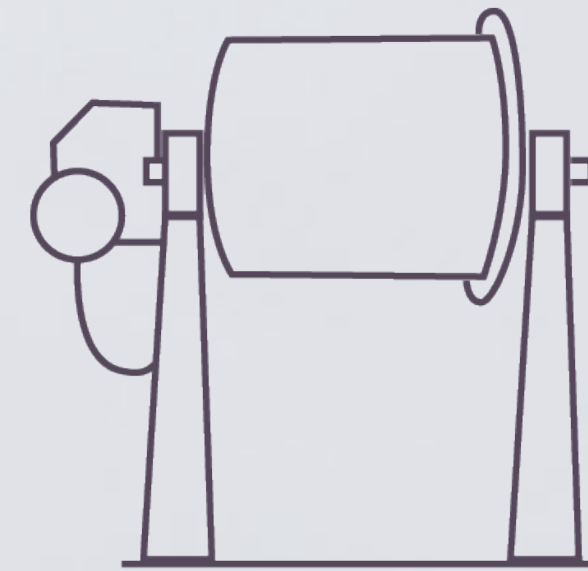
Grinding of liquid glaze



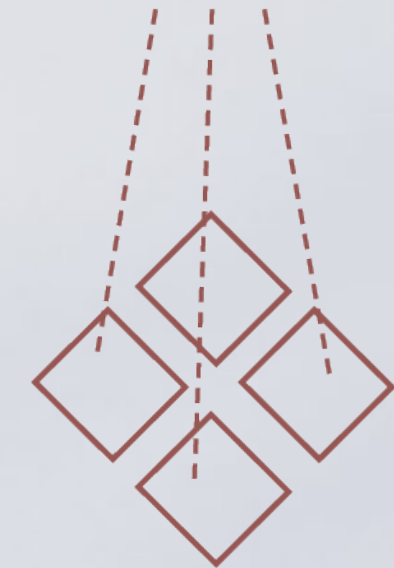
Glaze application + leveling agent

## Glaze's production with **Lamcol**

Water + LAMCOL + glaze powder



Grinding of liquid glaze



Glaze application

**NO CHEMICAL ADDITIVES**



[Lamberti.ceramics.com](http://Lamberti.ceramics.com)