

WHITEWARE

Every perfect shape
begins before firing.

Chemical solutions for
shaping, glazing and finishing
ceramic whiteware.

Lamberti

ceramics

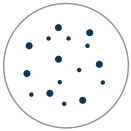
Chemical Additives for Whiteware

OUR APPROACH

Lamberti combines decades of expertise in natural and synthetic polymer chemistry to develop high-performance solutions for every stage of whiteware production- from body preparation to glazing and decoration. Our additives are designed to improve process efficiency, enhance product quality and ensure consistent manufacturing performance while supporting increasingly sustainable ceramic production.



01 | BODY PREPARATION



DEFLOCCULANTS

REOTAN®
REOTAN® FLUX

REOTAN® LA/7

Liquid ammonium polyacrylate deflocculant for ceramic body slips. Reduces defects related to black spots, silicate stains and surface film formation

REOTAN® FLUX

Tailor-made blends of polyacrylates and conventional deflocculants developed to meet specific production requirements.

REOTAN® HS
REOTAN® L

Low molecular weight liquid sodium polyacrylate used as a component in deflocculant blends for highly plastic ceramic body slips.



BINDERS, PLASTICIZERS AND ANTI-CRACK ADDITIVES FOR CERAMIC BODIES

RESICEL®
TENAGREEN®

RESICEL® 4399 (P; E)

Multipurpose liquid binder with low thickening effect and limited water retention.

RESICEL® E 50 N (P; C; E)

Binder, plasticizer and anti-crack additive for ceramic body slips.

TENAGREEN® AB (P; E)

General-purpose liquid binder for ceramic body slips.

TENAGREEN® BS 40 (P; E)

Liquid plasticizer and lubricant designed for pressing and extrusion processes.

TENAGREEN® CS 555 (P; C)

Acrylic-based liquid binder providing minimal impact on slip rheology while maximizing the mechanical strength of green bodies.

TENAGREEN® CS 554 (P)

PVA-based powder binder combining binding and plasticizing properties.

P = Pressing | E = Extrusion | C = Casting



CASTING ACCELERATORS

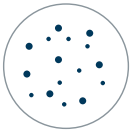
REOLAM®

REOLAM® CS 218

Casting accelerator based on amino resin in aqueous solution.

REOLAM® CS 383

Casting accelerator based on a blend of synthetic polymers and polyamine.



DEAERATING AGENTS

TENSIOL®

TENSIOL® 398

Deaerating agent for ceramic slips. It also improves glaze levelling.

REOTAN® L

Low molecular weight liquid sodium polyacrylate used as an extender in deflocculant blends for highly plastic ceramic slips.

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02

RHEOLOGY & SURFACE CONTROL



BINDERS AND RHEOLOGY MODIFIERS

CARBOCEL®
TIXOLAM®

CARBOCEL® AP 4 HD	High-purity sodium CMC with extremely high viscosity.
CARBOCEL® MM 500/HD	High-purity sodium CMC with high viscosity.
CARBOCEL® MM 250	High-purity sodium CMC with medium-high viscosity.
CARBOCEL® TAM 93	Technical-grade sodium CMC with very high viscosity.
RESICEL® 4399	Multipurpose liquid binder with low thickening effect and limited water retention.
TIXOLAM® CD 31	Premium binder and rheology modifier for manual and automatic spray glazing. Delivers high viscosity, plastic rheology and rapid drying. One of Lamberti's flagship products.
TIXOLAM® AC 162	Binder and rheology modifier for manual and automatic spray glazing featuring very high viscosity, plastic rheology and medium-fast drying.
TIXOLAM® AC 83	Binder and rheology modifier for manual and automatic spray glazing providing high viscosity, plastic rheology and fast drying. Cost-effective solution.
TIXOLAM® AM 177	New-generation cost-effective binder and rheology modifier for manual and automatic spray glazing. High viscosity, plastic rheology and rapid drying.
TIXOLAM® AM 01	Binder and rheology modifier specifically developed for high-speed robotic glazing lines. Low viscosity, pseudoplastic rheology and extremely fast drying.
TIXOLAM® AM 113	Binder and rheology modifier for manual and automatic spray glazing with medium-low viscosity, plastic rheology and medium-fast drying.
TIXOLAM® MT 1010	Binder and rheology modifier for spray glazing. Low viscosity and extremely fast drying. Commonly combined with other TIXOLAM® grades to fine-tune viscosity or used alone for siphon glazing and similar applications.
TIXOLAM® SC02599	Ready-to-use concentrated liquid binder and rheology modifier for manual and automatic spray glazing. Provides high viscosity, plastic rheology and rapid drying.

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03 | SPECIAL PRODUCTS

RELEASE AGENTS FOR PLASTER MOULDS (DEMOLAM®) DEMOLAM®

Release agent specifically developed for the production of plaster moulds used in ceramic casting processes. Ensures easy mould release while preserving mould integrity and extending service life.

BIOCIDE (CARBOSAN®)

CARBOSAN® is Lamberti's range of preservatives specifically developed to protect all types of water-based ceramic slips from microbiological contamination, ensuring product stability throughout storage and production.

- **CARBOSAN® CD 100**
Broad-spectrum, formaldehyde-free combined biocide offering highly effective microbiological protection.
- **CARBOSAN® CD 50**
Formaldehyde-free, multi-purpose antimicrobial preservative developed for ceramic manufacturing processes.

TEMPORARY COLORANTS (NEOPRINT®)

NEOPRINT®

Temporary liquid organic pigments designed for the identification and marking of glaze slips and printing pastes. Available in a wide range of colours.

JOINT ADHESIVE ADDITIVES (SOSPENSIL®)

SOSPENSIL® C2

Additive for preparing the adhesive used to join freshly cast ceramic components. Also acts as a flocculating agent for ceramic slips.

04 | OTHER SPECIALTIES

ECOLIGHTER®

Non-flammable liquid marker designed for the inspection of dry whiteware pieces.

LAMWAX® 166

Water and glaze repellent treatment that keeps selected areas of ceramic pieces free from subsequent glaze applications.

REOTAN® FLOC D/1525 LF

Flocculating agent for glazes, ceramic sludge and wastewater treatment. Designed to minimise the rheological impact on recovered glazes.

SOSPENSIL® SM

Suspending agent developed to prevent hard settling and sedimentation in ceramic slips, ensuring long-term stability.

TENSIOL® 222

Wetting, deaerating and levelling agent for ceramic glazes.



Detailed technical data sheets for all the products
Featured in this brochure are available at

ceramics.lamberti.com

For additional information, please contact our team directly

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