Printex® RE/Printex® MV

// A brand new range of thickeners based on CMC for textile printing //

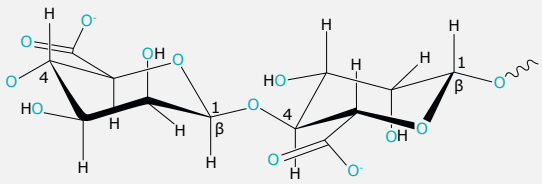
lamberti
chemical specialties

A new range of thickeners bas

Lamberti has developed a brand new range of thickeners based on CMC for textile printing with reactive dyestuffs on cellulosic fibers.
The chemical composition of the products when compared to traditional thickeners are different but have similar performance characteristics for textile printing

Sodium Alginate Structure

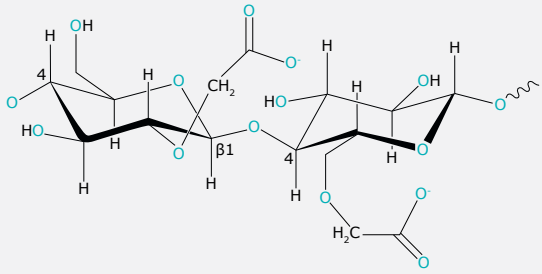
Alginate is a polysaccharide obtained from a large number of seaweeds, generically known as Kelp…



… having two components, Mannuronic e Guluronic acids.

CMC: CarboxyMethylCellulose

A high performance natural alternative to Sodium Alginate offered by Lamberti.

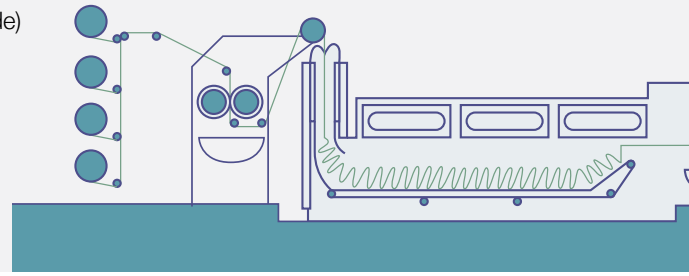


Printex® MIX/RE/MV natural thickeners range

	Product range		
	% Concentration in printing paste	**Viscosity cPs (20 RPM – 20 °C)**	**Ionic character**
HIGH/MEDIUM/LOW VISCOSITY THICKENERS			
PRINTEX® MIX	3.0 - 3.2	8 - 12000	Anionic
PRINTEX® RE5 NF	3.2 - 3.5	8 - 12000	Anionic
PRINTEX® RE5	4.0 - 4.2	8 - 12000	Anionic
PRINTEX® MV550	4.8 - 5.0	8 - 12000	Anionic

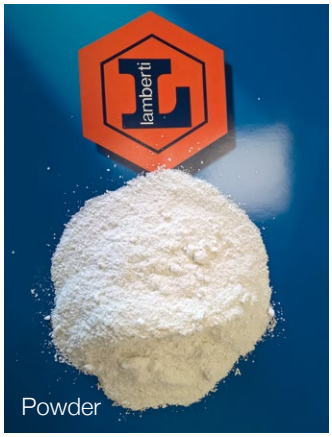
Process

- Printing
- Drying
- Steaming at 102 °C for 8'-12'
- Cold rinsing with 1-2 g/l Lamegal DSP*
- Washing at 60 °C with 1-2 g/l Lamegal DSP and 1-2 g/l BIOROL JK New**
- Boiling with 1-2 g/l Lamegal DSP and 1-2 g/l BIOROL JK New
- Washing at 60 °C with 1-2 g/l Lamegal DSP
- Cold rinsing (refer to the indicative washing machine layout figured beside)



* Lamegal DSP: dispersing anti re-depositing agent manufactured by Lamberti
** BIOROL JK New: low foaming wetting/detergent agent with high speed biodegradability

ed on CMC for textile printing



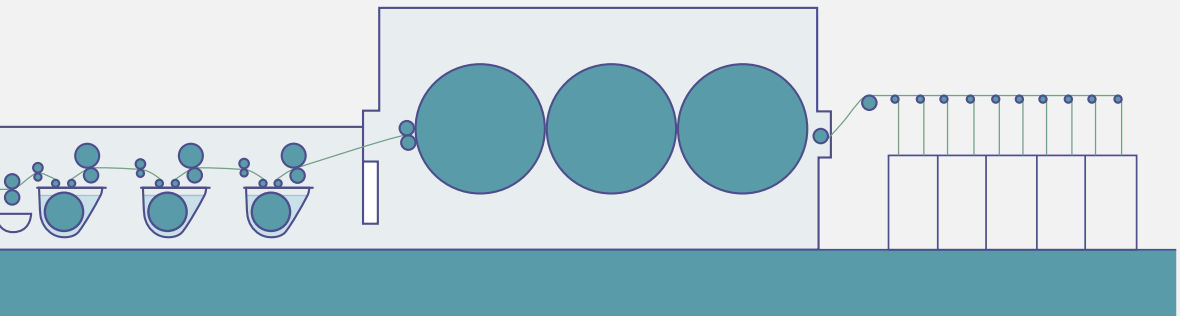
Indicative recipes

(concentration of products listed below are expressed in g/kg and in their order of addition):

	Product range			
	PRINTEX® MIX	**PRINTEX® RE5 NF**	**PRINTEX® RE5**	**PRINTEX® MV550**
COTTON				
Water	Up to	Up to	Up to	Up to
Antireduction agent	10	10	10	10
Urea	80	80	80	80
Alkali	25	25	25	25
Thickener	33 - 36	32 - 35	41 - 44	48-52
Dyestuff	x	x	x	x
VISCOSE				
Water	Up to	Up to	Up to	Up to
Antireduction agent	15	15	15	15
Urea	140	140	140	140
Alkali	25	25	25	25
Thickener	33 - 36	32 - 35	41 - 44	48 - 52
Dyestuff	x	x	x	x

PRINTEX® MIX/RE/MV vs Alginate

- Improved printability
- Higher color yield
- More defined outline sharpness
- Long ting performance



(03.2019)

Lamberti in the World

EUROPE

Italy
Gallarate
(Headquarters &
Commercial Offices)

Albizzate
(Main production facilities,
Technological research center)

Fiorano Modenese
Nerviano
Rezzato
Trissino
Viguzzolo
Zanica

France
Liergues

Germany
Bammental

Poland
Tomaszów Mazowiecki

Russia
Moscow

Spain
Onda (Castellón)

Turkey
Istanbul

AFRICA

South Africa
Westmead

ASIA

China
Hong Kong
Shanghai

India
Rajkot

Indonesia
Bekasi

South Korea
Gunpo
Seoul

United Arab Emirates
Dubai

AMERICAS

Argentina
Buenos Aires

Brazil
Nova Odessa

Canada
Red Deer

Colombia
Bogotá

Mexico
Querétaro

United States
Chattanooga
Conroe
Conshohocken
Hungerford
Waukegan

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