

EKÖMUL KREM 500 SERIES

ICE CREAM TEXTURISING SYSTEMS

Integrated & Co-Blended Emulsifier/ Stabiliser Solutions

Introducing Futura Ingredients' **Ekömul KREM 500 series** texturising systems to meet your ice cream formulation challenges. Select from a range of emulsifier/stabiliser solutions in a variety of ice cream formats including hard pack, extruded, novelties, soft serve, water ice lollies, sorbets & sherbets.



Why Futura Ingredients' KREM Texturising Systems?



1. Integration into key raw materials enables us to bring cost effective solutions
2. Open dialogue to develop customised solutions in a timely manner
3. Product and application knowledge and supported with the latest application pilot facilities
4. Small batches for co-blended products let us work with you to develop tailored texturising systems for low MOQ products for new ice cream launches
5. Integrated products can be produced in large quantities in a single batch with supply chain effectiveness

ICE CREAM APPLICATIONS

- Hard Pack
- Extruded & Novelties
- Soft Serve
- Water Ice Lollies
- Sorbets & Sherbets

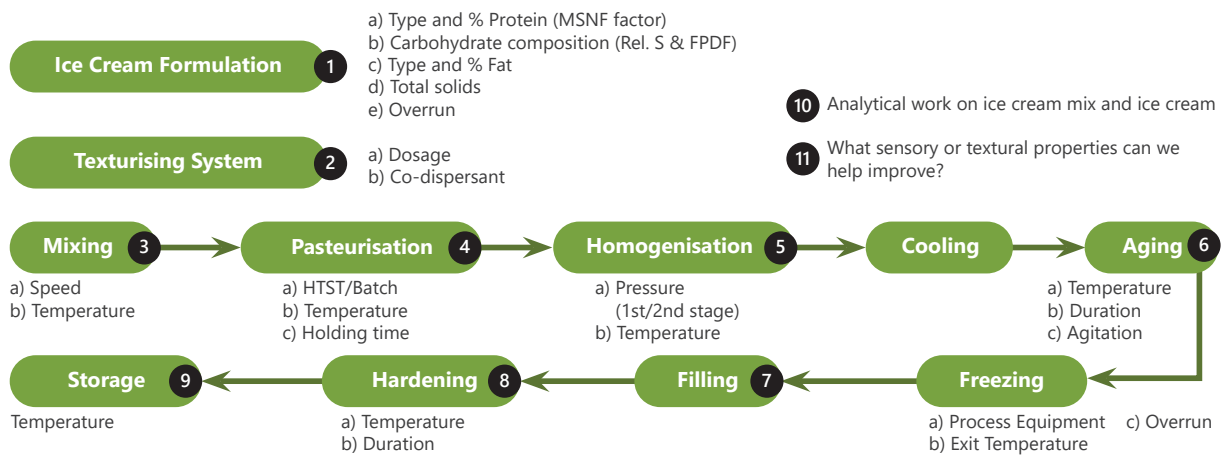


Winner of
Frost & Sullivan's
2016 Best Practices Award
Entrepreneurial Company
of the Year

Winner of
Frost & Sullivan's
2018 Best Practices Award
Food Ingredients
Company of the Year

Key Considerations in Product Selection

A balance between product formulation, processing and cost limitations impact the overall performance of the ice cream. Here are some critical considerations :



				ORGANOLEPTIC BENEFITS					TEXTURAL ADVANTAGES					
				CREAMY	FRESH EATING	CLEAN EATING	WARM EATING	FLAVOUR RELEASE	MELTING RESISTANCE	SHAPE RETENTION	BODY	DRY EXTRUSION	ICE CRYSTAL CONTROL	HEAT SHOCK RESISTANCE
TYPE	PRODUCT NAME	DOSAGE (%)	COMPOSITION											
Ice Cream, Milk Ice – Hardened														
Premium, >12% fat	Ekömul KREM 519 XTI	0.40 – 0.50	E471, E410, E412 & E407	•••	•	••	••	••	•••	•••	•••	•••	•••	•••
	Ekömul KREM 538 MGI	0.45 – 0.55	E471, E410, E401, E412 & E407	••	••	•••	•	•••	•••	••	•••	••	•••	•••
Standard, 4 - 12% fat	Ekömul KREM 502 XTI	0.45 – 0.65	E471, E410, E412 & E407	•••	•	•••	••	••	•••	•••	••	•••	••	•••
	Ekömul KREM 518 XTI	0.45 – 0.65	E471, E412, E466 & E407	••	•	••	••	••	•••	•••	•••	•••	••	•••
	Ekömul KREM 532 XTI	0.45 – 0.65	E471, E466, E412 & E407	•••	•	••	•••	••	•••	•••	•••	•••	•••	•••
	Ekömul KREM 570 XTI	0.45 – 0.65	E471, E412, E466 & E407	•	•	•••	•	•	•••	•••	•••	•••	••	•••
	Ekömul KREM 536 MGI	0.45 – 0.65	E471, E412, E466 & E407	•	••	••	•	•••	••	••	••	••	•••	••
Milk ice, 2 - 4% fat	Ekömul KREM 502 XTI	0.45 – 0.65	E471, E410, E412 & E407	•••	•	•••	••	••	•••	••	••	•••	••	•••
	Ekömul KREM 532 XTI	0.55 – 0.75	E471, E466, E412 & E407	•••	•	••	•••	•	••	••	•••	••	••	•••
Economy, low protein, 1.0-2.0% protein	Ekömul KREM 502 XTI	0.60 – 0.80	E471, E410, E412 & E407	••	••	••	•	••	•••	•••	••	•••	••	•••
	Ekömul KREM 518 XTI	0.60 – 0.80	E471, E412, E466 & E407	••	•	••	•	••	•••	•••	•••	•••	••	•••
Non fat, 0.5-1% fat	Ekömul KREM 524 XT	0.90 – 1.10	E460, E471, E410, E412, E466 & E407	•••	•	•	•••	•	••	•••	•••	•••	•••	•••
Ice Cream, Extruded & Novelties														
Extruded & Novelties	Ekömul KREM 502 XTI	0.45 – 0.65	E471, E410, E412 & E407	••	••	••	•	••	•••	•••	••	•••	••	•••
	Ekömul KREM 518 XTI	0.45 – 0.65	E471, E412, E466 & E407	••	•	••	•	••	•••	•••	••	•••	••	•••
Ice Cream, Soft Serve														
High overrun 100%+	Ekömul KREM 546 MGI	0.55 – 0.75	E471, E466, E412, E407, E401 & E410	••	•	••	••	••	••	••	••	••	NA	NA
	Ekömul KREM 532 XTI	0.45 – 0.65	E471, E466, E412 & E407	••	••	••	•••	••	•••	•••	••	••	NA	NA
Low overrun 50-60%	Ekömul KREM 513 XTI	0.40 – 0.45	E471, E412 , E466 & E407	••	••	•	•	••	•	••	••	•	NA	NA
	Ekömul KREM 514 XTI	0.40 – 0.45	E471, E412 & E407	•	•••	•	•	••	•	•	•••	•	NA	NA
Water Ice Lollies, Sorbet & Sherbet														
Moulded water ice	Ekömul KREM 521 GS	0.18 – 0.25	E412, E401 & E407, Dextrose	NA	••	•	NA	•	•••	NA	••	NA	••	••
	Ekömul KREM 533 GS	0.18 – 0.25	E412, E466 & E407, Dextrose	NA	•	•	NA	••	•••	NA	••	NA	••	••
Extruded water ice, Sorbet & Sherbet	Ekömul KREM 523 GS	0.40 - 0.45	E461, E412, E410, E466 & E440, Dextrose	••	••	•	•	•••	•••	•••	•••	•••	•••	•••
	Ekömul KREM 567 GS	0.40 - 0.45	E461, E412, E410, E466 & E440, Dextrose	•	•	•	•	••	••	••	••	••	••	••

*Composition :

E471 – Mono- and diglycerides
E401 – Sodium Alginate

E407 – Carrageenan
E440 – Pectin

E460 – Microcrystalline Cellulose
E466 – Carboxymethyl Cellulose

E410 – Locust Bean Gum
E412 – Guar Gum

E461 – Methylcellulose

Disclaimer: The information and recommendations contained herein are to the best of our knowledge reliable. However, nothing herein is to be construed as a warranty of representation in respect of safety in use, suitability, efficacy or otherwise including freedom from patent infringement. Users should conduct their own tests to determine the suitability of our product for their own specific purposes and the legal status for their intended use of the product.

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