



SAVOURY  
SOLUTIONS

# Improve Crispiness Balance Nutrition of French fries

## IMPROVE CRISPINESS

### CLEARAM® LI4000 & TACKIDEX® C760

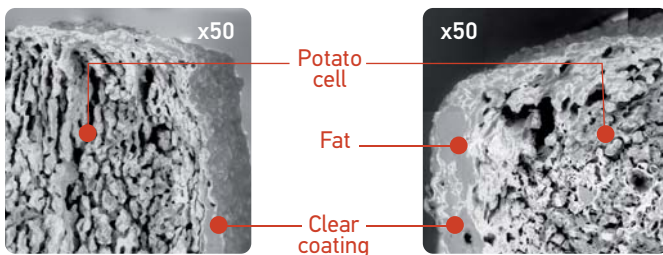
Eq. to 73% of the batter mix on D.S. (ref: DIV 17\*)

- > Good filming properties
- > Crispier French fries
- > Prolonged crispiness under lamps



## MICROSCOPIC VIEW (MEB) OF CLEAR-COATED FRENCH FRIES

Scanning Electron Microscopy. ESEM - FEI - Quanta FEG



BEFORE END-FRYING

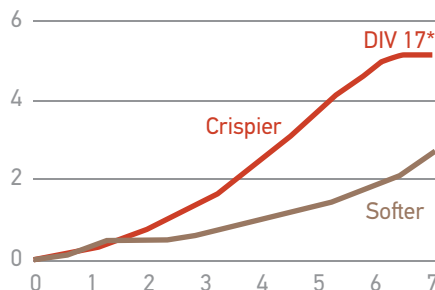
AFTER FRYING

## CRISPINESS MEASUREMENT ON CLEAR-COATED FRENCH FRIES

(9 x 9 x 120mm) 10 minutes after frying

### DEXTRIN COMPARISON

Instrumental analysis with TAXT (Force N / Penetration mm)



- CLEARAM® LI4000 Modified pea starch  
TACKIDEX® C760 Pea dextrin
- CLEARAM® LI4000  
CLEARGUM® TA 90 Tapioca dextrin

(\*) ROQUETTE recipe reference: DIV 17 & DIV 20 available on request

## BALANCED NUTRITION

### HIGH AMYLOSE STARCH M400G & TACKIDEX® C760 & CLEARAM® LI4000

Eq. to 74% of the batter mix on D.S. (ref: DIV 20\*)

- > A 3-ingredient solution as a continuous layer
- > A barrier that impacts on the oil/water exchange

## MICROSCOPIC VIEW OF CLEAR-COATED FRENCH FRIES AFTER THE FINAL FRYING PHASE

Scanning Electron Microscopy  
ESEM - FEI - Quanta FEG

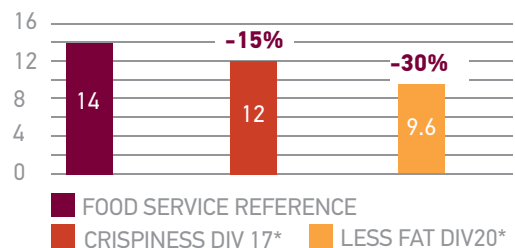


It clearly shows the film formed on the surface of the potato

## NUTRITIONAL VALUES PRE-FRIED AND FRIED FRENCH FRIES

Fat content (g/100g)

A clear coating as a natural oil-uptake barrier



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# Starches and Dextrins

## New synergies for optimum functionalities in Batters & Coatings

### TACKIDEX® C760

PEA DEXTRIN WITH LOW VISCOSITY DURING BATTER PREPARATION.

### CLEARAM® LI 4000

MODIFIED STARCH FROM THE PEA. WITHSTANDS HIGH TEMPERATURES.

### HIGH AMYLOSE STARCH N400/M400G

NATIVE AND MODIFIED, THIS MAIZE STARCH NATURALLY RICH IN AMYLOSE INDUCES FILMING PROPERTIES.

## APPLICATIONS

IMPROVED CRISPINESS, LIMITED FAT UPTAKE AND OVERALL ATTRACTIVE APPEARANCE.



Tempura  
(sea food, chicken)  
pre-dust and  
coating solution



French fries /  
Fried potato products  
Clear-coatings

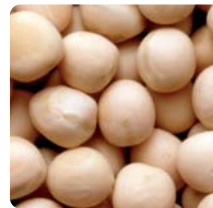


Breaded products  
(meat, chicken,  
vegetables).  
Pre-dust and  
coating solution

ROQUETTE OFFERS AN EXTENDED RANGE OF SOLUTIONS DESIGNED FOR BATTERS & COATINGS

## PRODUCT INFORMATION

### TACKIDEX® C760



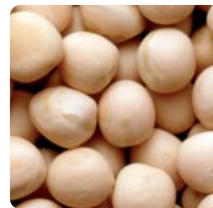
#### LABEL

Dextrin (or starch in EU)

#### CHARACTERISTICS

A yellow powder with a neutral taste

### CLEARAM® LI 4000



#### LABEL

Modified starch (E1420)

#### CHARACTERISTICS

A white powder with a neutral taste

### HIGH AMYLOSE STARCH



#### LABEL

- M400G: Modified starch (E1420)
- N400: Starch

#### CHARACTERISTICS

A white powder with a neutral taste

### CERTIFICATIONS

- GMO free
- Halal, Kosher

### PACKAGING

- 25 kg bag

### BEST-BEFORE DATE

- Manufacturing date + 24 months

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