



# ROQUETTE

## BEAUTÉ

## BEAUTÉ BY ROQUETTE® ST 720

Beauté by Roquette® ST 720 is a new plant-based water-soluble film forming agent, acting as an effective barrier against atmospheric pollutants.

Produced from pea starch, it creates and leaves a flexible smooth and continuous barrier over the skin or hair. The film prevents from color transfer in make-up application.

### BENEFITS AT A GLANCE:

- Water-soluble transparent **film-forming** agent
- **Effective barrier** against atmospheric pollutants
- **Non occlusive** film
- **No transfer**
- Good skin adhesion
- Smooth feel on skin
- Easily removable with soap and water

### INCI NAME

Hydroxypropyl starch

### PHYSICAL ASPECT:

White powder, odorless

### ORIGIN:

Pea

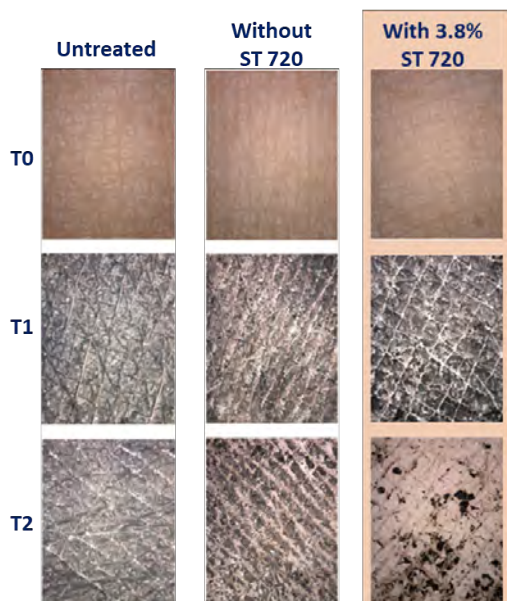


Ino\* = 0.9

### EFFECTIVE BARRIER AGAINST ATMOSPHERIC POLLUTANTS (IN VIVO EVALUATION):

Beauté by Roquette® ST 720 reduces the adhesion of black micro-particles:

2.3 times more efficient than the placebo.

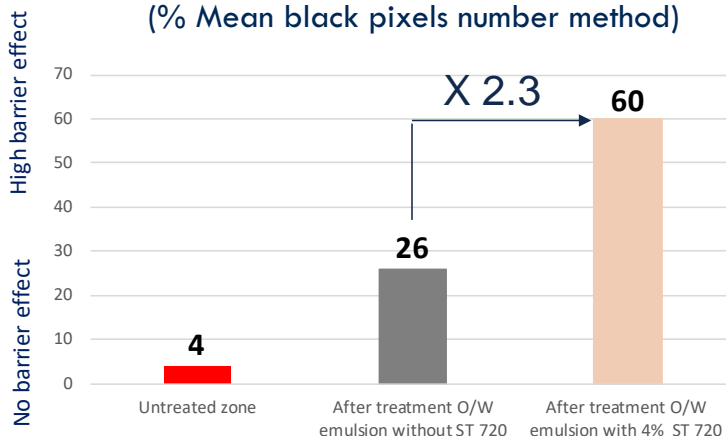


T0= before the application of the cream

T1= after the application of carbon black

T2= after rinsing.

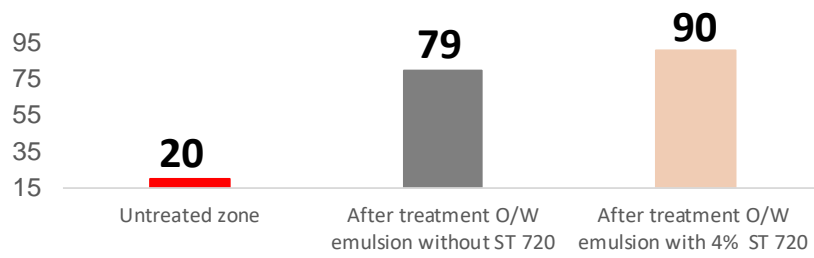
### Decreasing in skin adhesion of the Carbon Black micro-particles (% Mean black pixels number method)



\*Natural origin index = Number of natural carbon atoms/Total number of carbon atoms (natural 14 & non natural)

## EFFECTIVE BARRIER AGAINST ATMOSPHERIC POLLUTANTS (IN VIVO EFFICACY):

Increasing in skin lightness (%)  
in the tested area.  
(L parameter analysis)



In the area treated with Beauté by Roquette® ST 720, after rinsing, the black particles is decreased and the skin lightness (L parameter) is increased.

### SPECIFIC FEATURES:

- Alternative to synthetic polymers (PVP, PVA, silicon resins...) or modified cellulose
- Cold or hot process

### RECOMMENDED APPLICATIONS:

Skin care, color cosmetics, hair care

### pH OF USE:

4 to 10

### RECOMMENDED USE LEVELS:

2% to 15%

### APPLICATION GUIDELINES:

Disperse in the water phase.

### FORMULATION EXAMPLE:

PEEL OFF CHARCOAL MASK - SC-038-001

	INCI NAME	COMMERCIAL NAME (SUPPLIER)	% W/W
<u>PHASE A1</u>	Aqua	Deionized Water	Up to 100
	Sorbitol Powder	Beauté by Roquette® PO 160 (Roquette)	15.00
<u>PHASE A2</u>	Hydroxypropyl Starch	Beauté by Roquette® ST 720 (Roquette)	11.00
<u>PHASE B1</u>	Sodium Carboxymethyl Starch	Beauté by Roquette® ST 118 (Roquette)	5.00
<u>PHASE B2</u>	Sodium Hydroxide	Sodium Hydroxide Solution (pH adjuster)	q.s. pH 4.8
<u>PHASE C</u>	Gluconolactone	Beauté by Roquette® GA 290 (Roquette)	3.00
	Aqua	Deionized Water	5.00
<u>PHASE D1</u>	Activated Charcoal	Activated Charcoal	0.50
<u>PHASE D2</u>	Kaolin Clay (White)	Kaolin Clay (White)	10.00
<u>PHASE D3</u>	Phenoxethanol	Microcare® PE (Thor)	1.00

### PROCESS

- 1/ Weigh and disperse phase A1 under agitation; then add A2 and continue stirring until it's homogeneous (defloculator stirring),
- 2/ Add phase B1 while stirring. Maintain agitation until a thick gel is obtained. Then add B2 to adjust pH.

- 3/ Add phase C into A+B while stirring gently,
- 4/ Add successively the ingredients of phase D. Under gentle agitation

### FORMULATION SPECIFICATIONS

ASPECT	Black gel
pH	4.8
VISCOSITY	Brookfield, SP7, 20 rpm, 1 min: 100 000 – 120 000 mPa.s
STABILITY	1 month at 50°C , room temperature and 40°C