

Frescolat[®] X-Cool

Menthol derivative

**GALVANIZING
REFRESHER**

LONG-LASTING COOLING

ODORLESS & EASY TO FORMULATE



IMAGINE IF YOU COULD FEEL THE ENERGY OF A PERFECT RADIANT SKIN

Radiance is no longer solely the ultimate benefit of a perfect smooth skin texture. It is also a sign of skin health and vitality. Now, imagine if consumers could actually experience an energizing sensation when applying their favorite beauty cream!

Symrise has developed a powerful L-Menthol derivative to produce an intense cooling and stimulating sensation, improving the impression of a toned up skin. The skin is galvanized by an instant and long-lasting sensation!



65% OF CONSUMERS WORLDWIDE
ARE LOOKING FOR STRONG TO
VERY STRONG FRESHNESS.



96% WANT THEIR SKIN TO BE FULL
OF ENERGY.



90% AGREE THAT WHEN THEY
FEEL COOL THEY FEEL MORE
ENERGIZED.



SYMRISE INNOVATION

SIGNALING
SKIN THERMO-RECEPTORS
TO GENERATE
A PURE SENSATION
OF VITALITY RECHARGE

Frescolat® X-Cool

THE INVIGORATING FRESHENER

BENEFITS

INSTANT ENERGY SUBLIMATOR



INVIGORATING
FRESH FEELING



LASTS AT LEAST
30 MIN!

EFFICACY MARKER
FIRMING BOOSTER



**GALVANIZING
FRESHNESS**

**ANTI-FATIGUE
WAKE-UP EFFECT**

D E T O X

THE ACTIVE

FRESHNESS WITHOUT MENTHOL ODOR

PATENTED

**E A S Y T O
F O R M U L A T E**

WRAP YOUR SKIN *INTO A* FRESH ENERGIZING MIST!



IDEAL TO CREATE
THE SENSATION
OF AN IMMEDIATE
TRANSFORMATION
OF YOUR SKIN

MAIN APPLICATIONS

FORMULATION WITH PH
IN THE RANGE 3 - 7:

- **HYGIENE PRODUCTS**
- **DEODORANTS** (ROLL-ON, SPRAY)
ANTI-PERSPIRANTS
- **FACE CARE / BODY CARE**
- **WET WIPES**
- **MOUTHWASH**



Frescolat® X-Cool TRIGGERS AN INSTANT AND LONG LASTING COOLING SENSATION ASSOCIATED WITH VITALITY

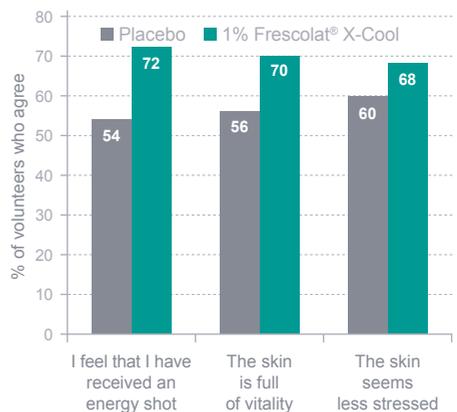
BOOSTING THE ENERGY SENSATION

Significant feeling of energy sensation in a BB Cream.

Self assessment questionnaire on efficacy (5 step ordinal type scale from agree to disagree)

PROTOCOL

NUMBER OF SUBJECTS: 50 WOMEN AGE 25-35
LOCATION: HONG-KONG (HOME USE, FRONT FACE INTERVIEW, PAPER QUESTIONNAIRE)
CONDITIONS: SINGLE-BLIND APPLICATION OF EITHER THE BB CREAM WITH 1% Frescolat® X-Cool OR THE PLACEBO BB CREAM ON THE FACE, IN THE MORNING.
WASHOUT PERIOD WITH NO APPLICATIONS = 3 DAYS.
SINGLE-BLIND APPLICATION OF THE SECOND BB CREAM ON THE FACE, IN THE MORNING.
ASSESSMENT IMMEDIATELY AFTER APPLICATIONS.



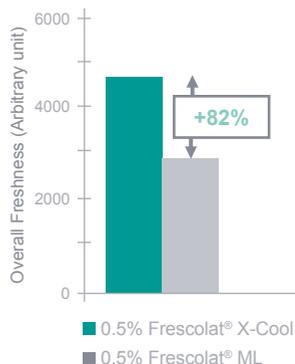
STRONG REFRESHING EFFECT

Expert panelists conclude that an o/w emulsion containing 0.5% Frescolat® X-Cool generates 82% of additional freshness versus Frescolat® ML at the same concentration.

PROTOCOL

NUMBER OF SUBJECTS: 20 EXPERT TRAINED PANELISTS (ACCORDING TO NF ISO 8586-1 AND NF EN ISO 13299)
CONDITIONS: SIMULTANEOUS APPLICATION OF 2 SAMPLES (PLACEBO AND THE CREAM CONTAINING THE ACTIVE MATERIAL) ON BOTH FOREARMS
EVALUATION OF THE INTENSITY OF THE COOLING EFFECT WITHIN 30 MIN

Time intensity comparison of the freshness

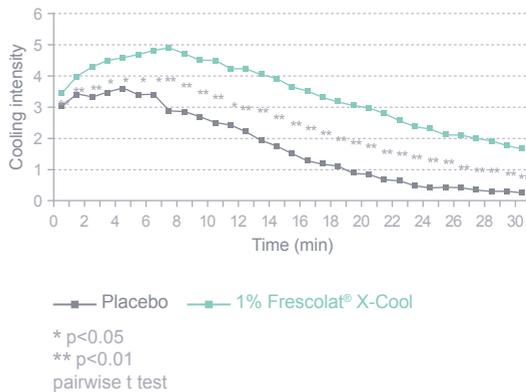


LONG-LASTING SENSORIAL SIGNAL

An emulsion containing 1% Frescolat® X-Cool delivers a strong and highly significant immediate and long-lasting sensorial signal on the skin.

PROTOCOL

NUMBER OF SUBJECTS: 20 PANELISTS
 CONDITIONS: "HALF-FACE TEST":
 SIMULTANEOUS APPLICATION OF
 2 SAMPLES (0.30G) - PARALLEL
 ASSESSMENT
 EVALUATION OF THE INTENSITY OF THE
 COOLING EFFECT DURING 30 MIN



SYMRISE INNOVATION

The neuro-sensory mechanism by which cooling agents such as menthol elicit the same cooling sensation as low temperatures was elucidated with the discovery of the TRPM8 receptor.

Frescolat® X-Cool is the fruit of an intensive TRPM8 screening using molecular biology approach. It has been selected as a powerful cooling agent capable of generating a long-lasting sensory signal to the brain.

ACTIVES

COOLING

LONG-LASTING COOLING

Frescolat® X-Cool

INCI: Menthyl Ethylamido Oxalate

Product number

370610

Formulation details

Recommended use level: 0.1 - 2.0%

Clear colorless to yellow-green liquid, odorless in formulations, soluble in fatty acid esters, alcohol and glycols, pH stable between 3 and 7, temperature stable up to 70°C (up to 100°C during 5 hours)

Main applications

Hygiene products, deodorants (roll-on, spray) and antiperspirants, face and body care, wet wipes, mouthwash

Awards

2012: BSB Innovation Award as “Most Innovative Raw Material - Naturals/Actives” - 3rd place



Visit **SymSelect®** to request samples and discover new ingredients. Scan code or visit www.symselect.com

DISCLAIMER

“Symrise makes no warranties, either express or implied, as to the accuracy or completeness of the information set forth herein. Symrise expressly disclaims any implied warranty of merchantability and fitness for a particular purpose. Prospective users are requested to determine for themselves the suitability of Symrise materials and suggestions for any use prior to their utilization. Any necessary approvals from regulatory authorities for finished products must be obtained by the prospective user. Suggestions for applications involving our products or the reference to, or incorporation of, descriptive materials from patents and the citation of specific patents in this document may not be understood as recommendation for the use of Symrise products in violation of any patent or as a permission or licence to use any patent of Symrise or a third party.”