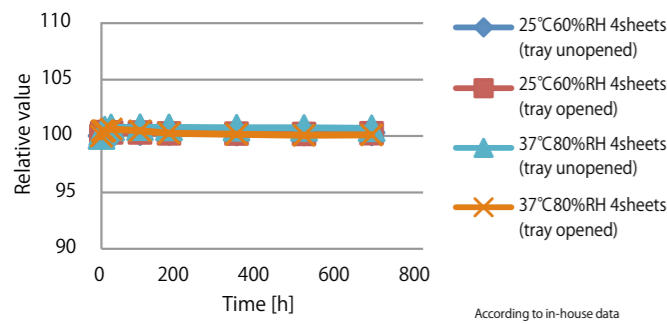


Moisture Absorption Test

Aqua Gel Sheet

Hygroscopicity



Testing Method

KOKEN Perfect Aqua Gel Sheet was tested at different temperatures and room humidity levels to determine the change in weight over time. Under each set of conditions, 4 sheets were left in the dedicated tray (balance dish) with the lid open and 4 were left in an unopened tray. They were then allowed to stand for 4 weeks inside an environmental testing machine.

Results

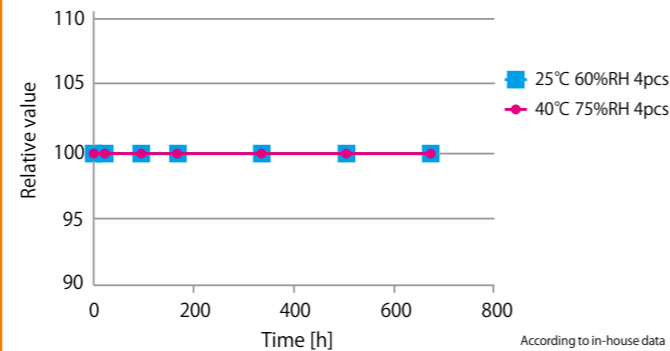
No clear change in weight was observed under any conditions or environment.

Product No.	Product name	Package
ATP7205	Koken Perfect Aqua Gel Sheet 2PCS/SET	50sets/box
ATP7405	Koken Perfect Aqua Gel Sheet 4PCS/SET	50sets/box



Cubic

Hygroscopicity



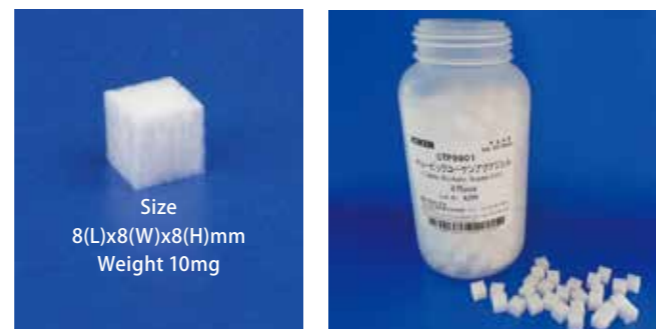
Testing Method

Four cubes of Cubic Koken Aqua Gel were placed on open balance dishes, left for 4 weeks in environment testing machines at different humidities, and temperatures, and their changes in weight measured.

Results

No clear change was observed under any of the conditions or environments.

Product No.	Product name	Package
CTP9901	Cubic Koken Aqua Gel (475pcs)	Bottle



Custom Orders (ingredients)

Added ingredients
Coloring with natural pigments

Custom Orders (outer packaging)

Label attachment
Bulk delivery



Aqua Gel Sheet & Cubic

Safety evaluation Human repeated insult patch test(HRIPT): Negative (Patch tested, cumulative irritation tested, allergy tested)

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Koken Perfect Aqua Gel Sheet Cubic Koken Aqua Gel



Using freeze drying technology, collagen is successfully sealed inside the sheet and kept fresh

Contains naturally derived moisturizing ingredients

- **Sodium Alginate** (derived from seaweed)
Provides effective skin moisturization, and improves skin metabolism by adsorbing the accumulated dirt and grime that renders it inactive.
INCI Name: ALGIN
- **Propyleneglycol Alginate** (derived from seaweed)
With higher emulsifying ability than sodium alginate, provides good blendability with the skin.
INCI Name: PROPYLENE GLYCOL ALGINATE
- **Water-soluble Collagen** (derived from fish)
Helps make your skin more supple and resilient, and acts as an effective moisturizer.
INCI Name: SOLUBLE COLLAGEN
- **Squalane** (derived from olives)
Forms an oil film that covers the skin surface, improving moisturizing performance.
INCI Name: SQUALANE
- **Decaglyceryl Monolaurate** (derived from plants)
Creates a moisture barrier above the skin, providing an emollient effect.
INCI Name: POLYGLYCERYL-10 LAURATE

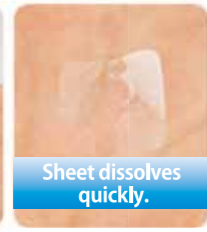
Characteristics

- Water-soluble sheet which turns into gel when dissolved in water.
- No need to wipe off.
- Contains collagen derived from fish, and squalane.
- Free of preservatives.
- Can also be used with your favorite skin toner
- Also handy for air travel where difficult to bring cosmetics with you.

Aqua Gel Sheet

Number of sheets to use

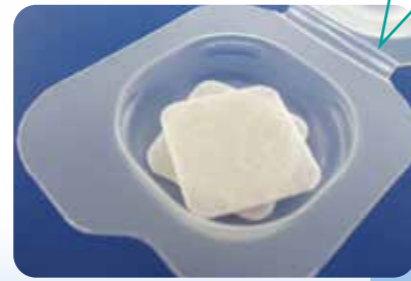
Use one sheet for spot treatment.
Use at least two sheets for full face treatment.



1 Drop an appropriate amount of water onto the sheet.

2 Mix with your finger until completely dissolved.

* For two sheets, use around 0.5–1 mL of water



3 Spread the mixture on the desired areas, or over the entire face.

We recommend trying it together with a facial massage for those who want to understand how it really feels



Dry

Place four sheets on the face, with one sheet on the forehead, one on each cheek, and one on the chin.



Misting

Spray water over the sheets.



Hydration (gelation)

water sprayed on the face permeates into the skin, forming a clear gel.



Massage

Spread the gel over the entire face, and massage in. Allow some time for the gel to be absorbed into the face.

Cubic



1 Drop an appropriate amount of water onto the cube.

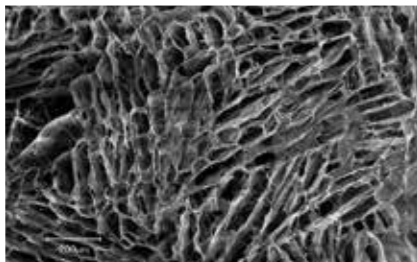
* For one cube, use around 0.5mL of skin toner.



2 Tap the gel with your finger tip after allowing the skin to absorb it well.



3 Mix and apply to your skin using a gentle circular motion.



Magnified image by electron microscope (According to in-house data)

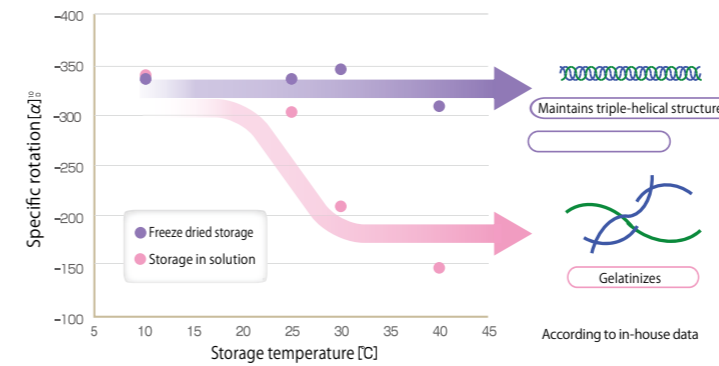


Squeezing the cube will cause it to be less soluble.

Aqua Gel Sheet & Cubic

Freeze Drying Technology

Heat stability of triple-helical collagen



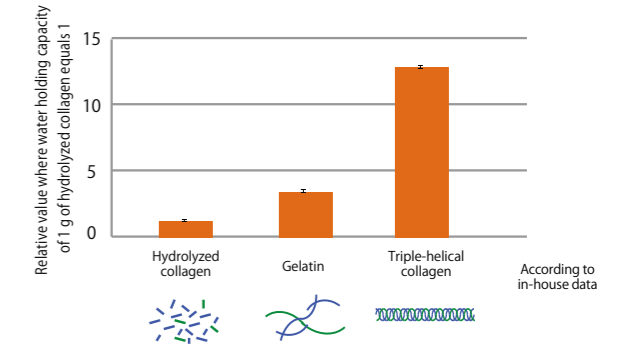
Testing Method

Triple-helical collagen in 0.1% solution and triple-helical collagen freeze dried at a concentration of 0.1% were stored for 1 hour at temperatures of 25°C, 30°C, and 40°C, and their specific rotation was measured with a polarimeter (DIP-370).

Results

Freeze drying technology prevented gelatinization of triple-helical collagen by heat, maintaining a triple-helical collagen structure with a highly moisturizing effect.

Water holding capacity of triple-helical collagen



Testing Method

Each ingredient was placed on filter paper in powdered form, and water was dropped onto it a little at a time. The addition of water was stopped at the stage where the substance could no longer hold water and the water began to drip through the filter. The amount of water added before the drip-through point was reached was termed the water holding capacity.

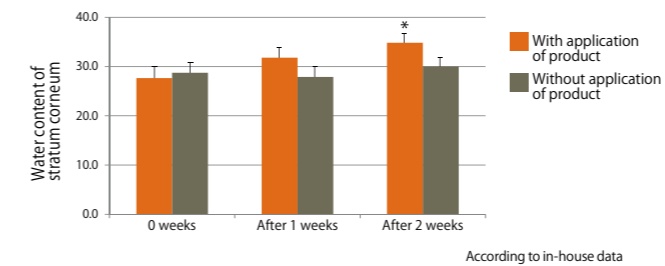
Results

Triple-helical collagen was found to have 13 times the water holding capacity of hydrolyzed collagen (per gram).

Aqua Gel Sheet

Moisture Retention Test

Moisturizing effect



Testing Method

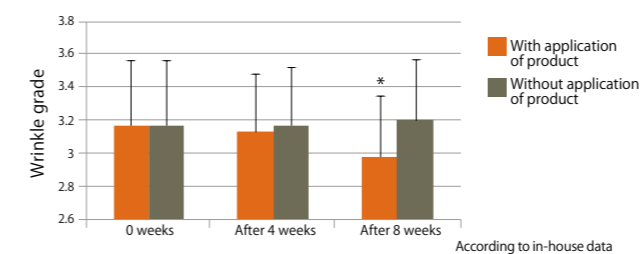
One KOKEN Perfect Aqua Gel Sheet was dissolved in about 0.5 mL of purified water and applied to the inner part of one upper arm of 6 women twice daily (morning and night). Nothing was applied to the other arm. The water content of the stratum corneum was measured with a measuring instrument (Corneometer CM825) after 1 week of use and after 2 weeks of use.

Results

Compared to the group that did not receive the application, the group to which the product was applied showed an increase in moisturizing effect after 1 week of use and a significant increase at a 5% level after 2 weeks of use.

Test to evaluate anti-wrinkle function (Guidelines for the Evaluation of Anti-Wrinkle Products)

Change in wrinkle grade over time



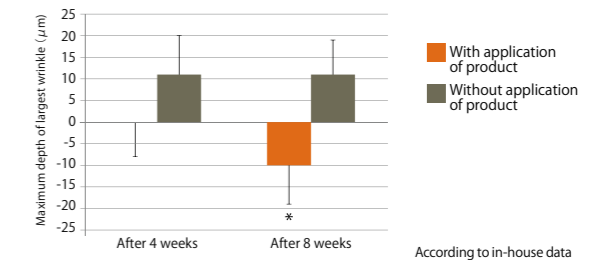
Testing Method

One KOKEN Perfect Aqua Gel Sheet was dissolved in about 0.5 mL of tap water and applied to half of the face of 16 women twice daily (morning and night). Nothing was applied to the other half of the face. The wrinkle grade evaluator assigned scores on the basis of visual examination and photographs (EOS 5D Mark III) after 4 weeks of use and after 8 weeks of use.

Results

Compared to the group that did not receive the application, the group to which the product was applied showed a decrease in wrinkle grade after 4 weeks of use and a significant decrease at a 5% level after 8 weeks after use.

Change in maximum depth of largest wrinkle over time



Testing Method

One KOKEN Perfect Aqua Gel Sheet was dissolved in about 0.5 mL of tap water and applied to half of the face of 16 women twice daily (morning and night). Nothing was applied to the other half of the face. Skin replicas (Silflo) were taken after 4 weeks and again after 8 weeks, and the maximum depth of the largest wrinkle was measured with the use of a reflective replica analysis system (ASA-03RXD) and 3-dimensional skin analysis software.

Results

Compared to the group that did not receive the application, the group to which the product was applied showed a decrease in the maximum depth of the largest wrinkle after 4 weeks of use and a significant decrease at a 5% level after 8 weeks of use.