

ULTRAFILL

LAST LONGER, STAY BEAUTIFUL

- Long-lasting dermal filler
 - Natural beauty safe filler
-

ULTRAFILL Product Features

EXCELLENT PERSISTENCE

- HBCT (Hexagonal Block Cross-linking Technology) application
- Delayed filler biodegradability in the body
- Improved filler duration

PRECISION PROCESS

- Utilizes MGIT (Micro Grinding Irregular Technology)
- Constant extrusion force
- Soft injection technique
- Stable procedure

HIGH QUALITY

- New manufacturing and analysis equipment
- Top-of-the-line materials used from manufacturing to packaging
- Strict quality control and assurance system (GMP, ISO)

HIGH SAFETY

- Dialysis purification under strict quality control (complete removal of BDDE)
- Perfect removal of harmful substances
- Complete biosafety test

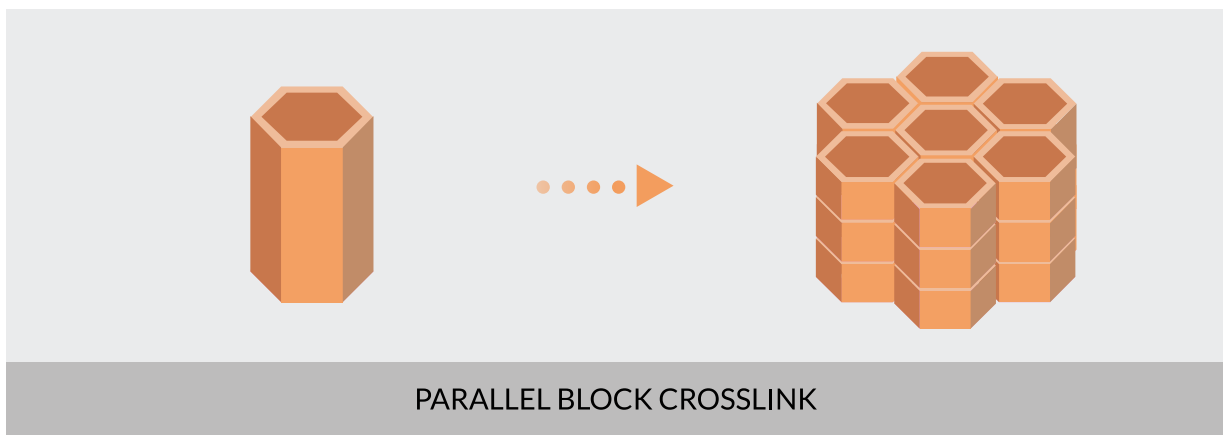


Differentiation of ULTRAFILL

Precise porous microparticle structure with unique characteristics

ULTRAFILL has a compact hexagonal structure linked using HBCT (Hexagonal Block Cross-linking Technology). HBCT was developed by Reanzen to delay the filler's decomposition rate in the body and improve its duration.

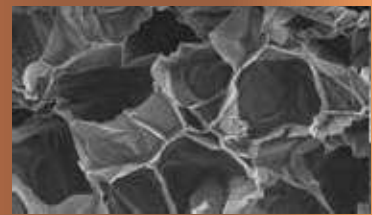
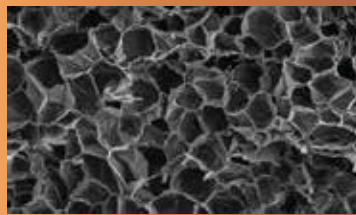
HBCT (Hexagonal Block Crosslinking Technology)



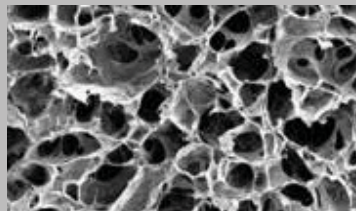
LOW magnification

HIGH magnification

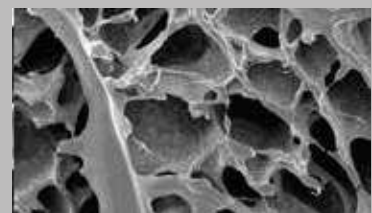
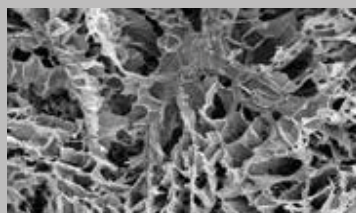
ULTRAFILL



PRODUCT A



PRODUCT B





Manufacturer: Reanzen Co., Ltd
#303-505, Gwangmyeong Dusan Venture Bldg. 260
Higwiro, Dong-gu, Anyang-si, Gyeonggi-do, 14256
Republic of Korea
Distributor: COSMODERMA
3F, 61, Seongnam-ro 1-gil
Mapo-gu, Seoul, Republic of Korea

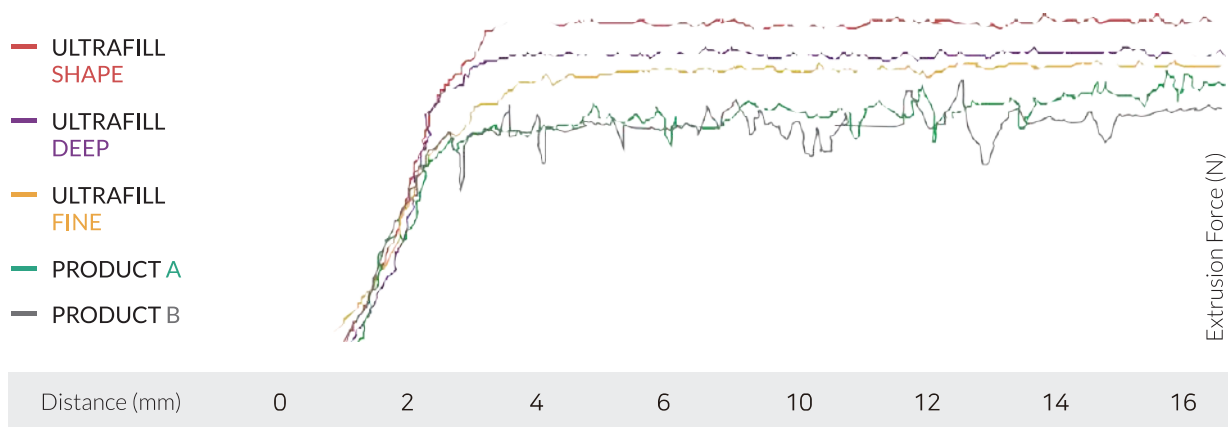




Fine regulated monophasic filler particles for precise treatment

ULTRAFILL is a fine regulated gel with soft injection and stable treatment qualities due to Reanzen's MIGT (Micro Irregular Grinding Technology)

DEVIATION OF EXTRUSION FORCE



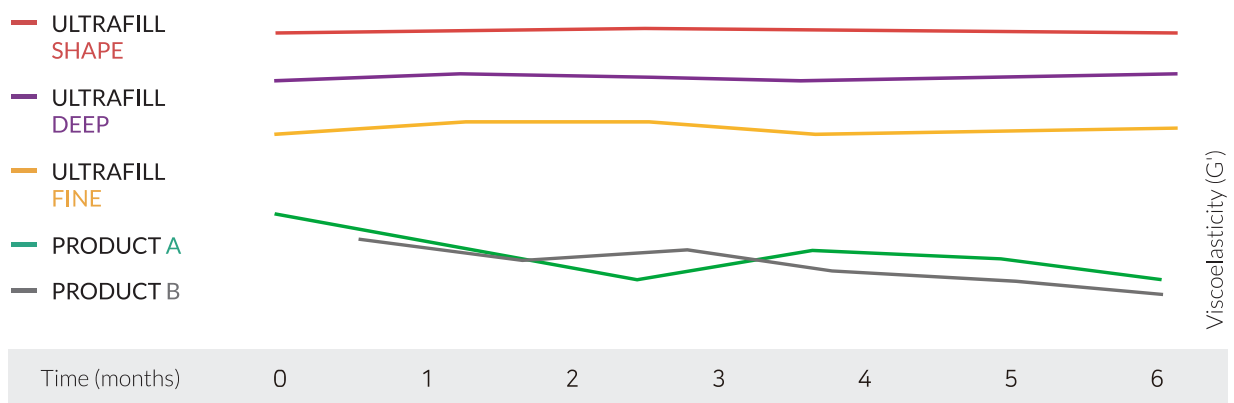
Experimental data : Reanzen R&D Institute

DIVISION	ULTRAFILL	PRODUCT A	PRODUCT B
HA GEL CONC.	24 mg/mL	24 mg/mL	20 mg/mL
G' MODULUS	260 - 300 Pa	113.4 Pa	316.7 Pa
G'' MODULUS	23.7 Pa	22.7 Pa	61.1 Pa
% ELASTICITY	83.4 %	83.3 %	84.1 %
NEEDLE SIZE	25 G	27 G	30 G

High-quality filler with excellent persistence

ULTRAFILL was created with the latest technology from Reanzen's best R&D experts. It is a top-quality filler for wrinkle improvement and skin volume recovery that is able to maintain viscoelasticity for a longer duration than other products.

VISCOELASTICITY STABILITY



Experimental data : Reanzen R&D Institute

Two-stage purification process of two weeks under strict quality control

ULTRAFILL is a highly safe product due to a strict quality control and assurance system involving a two-stage purification process of two weeks that completely eliminates harmful substances and BDDE from the raw materials.

Test item	Criteria	Result
BDDE 1.1 mL ----- 2.0 mL	< 2.0 ppm	0 ppm
HEAVY METAL 1.1 mL ----- 2.0 mL	< 10.0 ppm	< 1 ppm



ULTRAFILL Product Types

ULTRAFILL With Lidocaine *Fine*



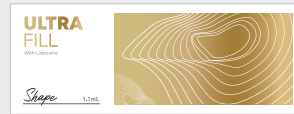
Used to improve the appearance of shallow wrinkles, such as fine lines about the eyes and on the neck

ULTRAFILL With Lidocaine *Deep*



Used to improve moderate to deep wrinkles, such as the nasolabial folds, and add volume to the face, chin, and lips

ULTRAFILL With Lidocaine *Shape*



Excellent for creating and maintaining structure because of its high visco-elasticity and used to improve deep wrinkles and facial contours

ULTRAFILL With Lidocaine *Implant*



Highest viscoelasticity type and used to improve deep wrinkles and facial contour



ULTRAFILL FINE
With Lidocaine

ULTRAFILL DEEP
With Lidocaine

ULTRAFILL SHAPE
With Lidocaine

ULTRAFILL IMPLANT
With Lidocaine

GEL TYPE	Monophasic			
CROSSLINKED HA	24 mg/mL			
LIDOCAINE HCL	3 mg/mL			
VOLUME	1.1 mL			
VISCOELASTICITY	60-100 Pa	160-200 Pa	260-300 Pa	380-450 Pa
EXTRUSION FORCE	10-25 N			
NEEDLE SIZE	30 G	27 G	25 G	
		T.S.K. Premium Needle (Made in Japan)		
DURATION	30 G	12-18 months		
CROSSLINKING AGENT	BDDE (1,4-Butanediol Diglycidyl Ether)			
INJECTION DEPTH	Dermis	Subcutaneous	Deep subcutaneous	
PACKAGING (CARTON)	1 syringe, 2 needles		1 syringe, 1 needle, 1 cannula	
INJECTION AREA	Shallow wrinkles	Deep wrinkles	Facial contours	

INDICATION

FORE HEAD

DEEP SHAPE

LATERAL TEMPLE

IMPLANT

NOSE BRIDGE

DEEP SHAPE IMPLANT

EYELID TEAR TROUGHS

FINE DEEP

NASOLABIAL FOLDS, SMILE LINES

DEEP SHAPE

TEMPORAL REGION, FINE LINES

UPPER CHEEKS

FINE DEEP

FINE

DEEP

MARIONETTE LINES

DEEP SHAPE

CHEEK, HOLLOW CHEEK

SHAPE FINE DEEP

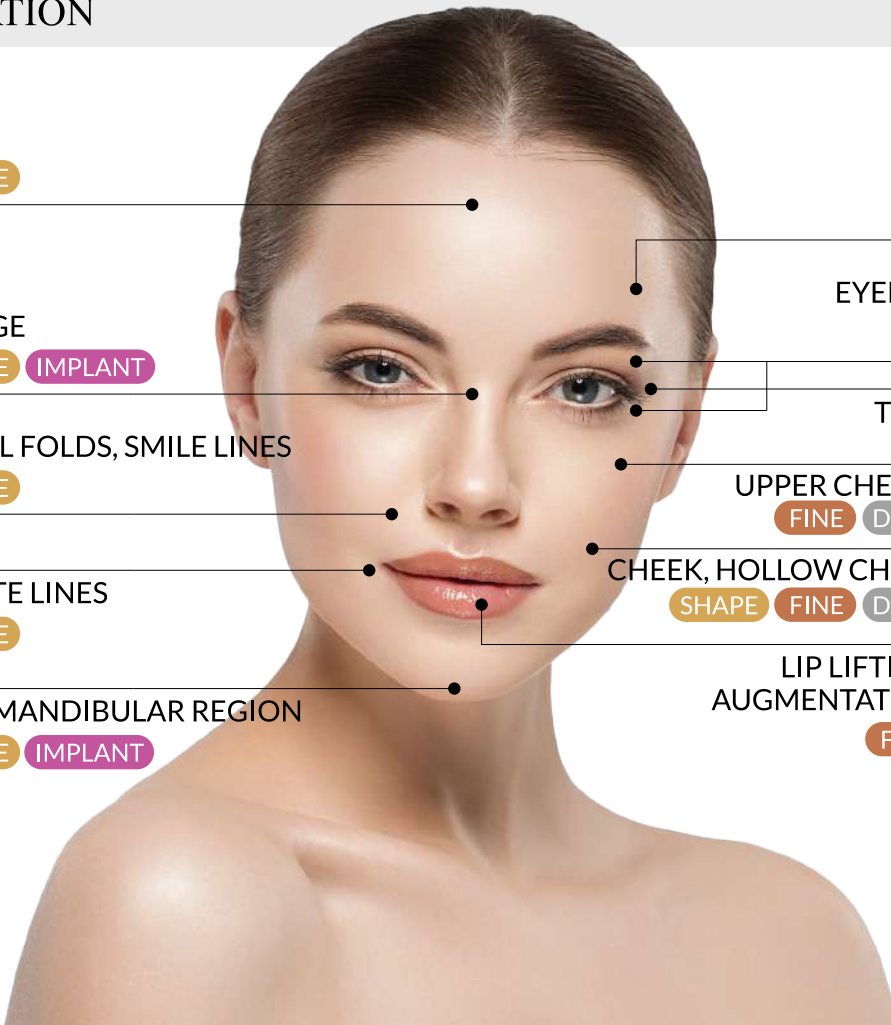
IMPLANT

JAW, CHIN, MANDIBULAR REGION

DEEP SHAPE IMPLANT

LIP LIFTING, AUGMENTATION

FINE



ULTRAFILL Specifications

CERTIFICATE OF ANALYSIS

TEST ITEM	1.1 mL	2.0 mL	1.1 mL	2.0 mL
APPEARANCE	Colorless, transparent, viscous liquid with no foreign material		Conformity	
ACTUAL CAPACITY	More than 1.1 mL	More than 2.0 mL	Pass	
pH	6.8-7.5		7.01	
BDDE residue	< 2.0 ppm		0 ppm	
Heavy metal	< 10.0 ppm		< 1 ppm	
Osmotic pressure	200-400 mOsm/kg		Pass	
Extrusion force	10-25 N		Pass	
Endotoxin	< 12.5 EU/mL		< 0.05 EU/mL	
Heavy metal	< 10.0 ppm		< 1 ppm	
Sterility test	Sterile		Conformity	
ASSAY	Sodium Hyaluronate	Sodium Hyaluronate 90.0-110.0 %	101.1 %	
	Lidocaine HCl	Lidocaine HCl 0.27-0.33 %	0.31 %	

STORAGE & EXPIRATION DATE

STORAGE 2-25 °C

EXPIRATION DATE 24 months from the date of manufacture

ULTRAFILL

STAY LONGER, STAY SAFE