

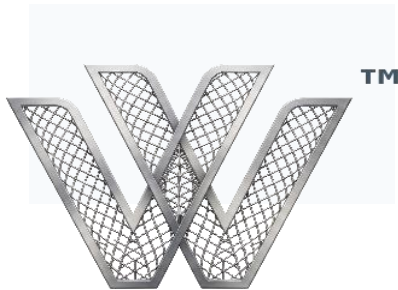


TechMatrix™

KeraMatrix™ Protein Systems — Vegan Nano Keratin Complexes

Beauty, Engineered.





Interlocking V's — The master mark representing our core engineering principles



Precision

Exact molecular
engineering at every stage



Architecture

Structured systems
designed from the ground
up



Engineering

Performance-validated
formulation science



Luxury Performance

Premium sensory
experience in every
product

TechMatrix™ Architecture

Three integrated technology pillars powering the next generation of beauty science



FilmMatrix™

Siloxa™ · Cyclova™ · Acryna™

Precision polymer films for wear,
flexibility, and finish



SensoriMatrix™ Elastomer Systems

SilkenFlex™ · CushionGel™

Silicone elastomers for texture,
glide, and sensoriality



KeraMatrix™ Protein Systems

KeraSil™ · KeraPure™

Oil-soluble nano keratin for strength,
shine, and repair



KeraMatrix™ Protein Systems

Vegan Oil-Soluble Nano Keratin Complexes for Hair & Skin



Vegan Oil-Soluble Nano Keratin

Oil-soluble nano keratin protein provides targeted structural support for various hair concerns. Here are the common issues it can help resolve:

1. Split Ends and Cuticle Damage

When the outer protective layer (cuticle) of the hair is compromised, it leads to fraying at the tips. Oil-soluble nano keratin helps smooth and seal these fibers.





Vegan Oil-Soluble Nano Keratin

Oil-soluble nano keratin protein provides targeted structural support for various hair concerns. Here are the common issues it can help resolve:

2. Chronic Frizz

Frizz is often caused by moisture from the air penetrating dry, porous hair. Nano Keratin reinforces the hair's natural lipid barrier to block excess humidity.





Vegan Oil-Soluble Nano Keratin

Oil-soluble nano keratin protein provides targeted structural support for various hair concerns. Here are the common issues it can help resolve:

3. Brittleness and Breakage

Hair that lacks internal protein structure becomes rigid and snaps easily. Restoring these protein bonds increases elasticity and strength.





Vegan Oil-Soluble Nano Keratin

Oil-soluble nano keratin protein provides targeted structural support for various hair concerns. Here are the common issues it can help resolve:

4. Dullness and Lack of Shine

A rough cuticle surface scatters light rather than reflecting it. Smoothing the hair surface with oil-based proteins restores a natural, healthy gloss.





INCI: Octyl Triethoxy Silane (and) Isopropyl Myristate (and) Isopropyl Palmitate (and) Hydrolyzed Nano Keratin (and) Pentaerythrityl Tetra-di-t-butyl Hydroxyhydrocinnamate (and) Tocopherol (and) Phenoxyethanol

Silicone-Modified Vegan Oil-Soluble Nano Keratin

Key Benefits

- High-gloss shine
- Smooths cuticle
- Strengthens damaged hair
- Enhances slip in oils

Applications

- Hair serums
- Leave-ins
- Premium hair oils
- Skin repair oils



KeraMatrix KeraSil™ 1X

10% Hydrolyzed Nano Keratin Protein | Standard Concentration

Standard-Strength Silicone-Modified Vegan Nano Keratin Complex

Clinical Performance (Before → After)

- Tensile Strength: +42% improvement
- Breakage Reduction: 38% fewer broken fibers
- Shine Index: +55% specular reflectance
- Cuticle Smoothness: 2.1x smoother surface
- Moisture Retention: +28% after 24 hrs

Recommended Formulations

- Daily leave-in serums (10–50%)
- Lightweight hair oils
- Rinse-off conditioners
- Styling primers and heat protectants
- Ready-to-use serum (neat application)



KeraMatrix KeraSil™ 3X

30% Hydrolyzed Nano Keratin Protein | High Concentration

High-Potency Silicone-Modified Vegan Nano Keratin Complex

Clinical Performance (Before → After)

- Tensile Strength: +78% improvement
- Breakage Reduction: 61% fewer broken fibers
- Shine Index: +89% specular reflectance
- Cuticle Smoothness: 3.4x smoother surface
- Moisture Retention: +52% after 24 hrs

Recommended Formulations

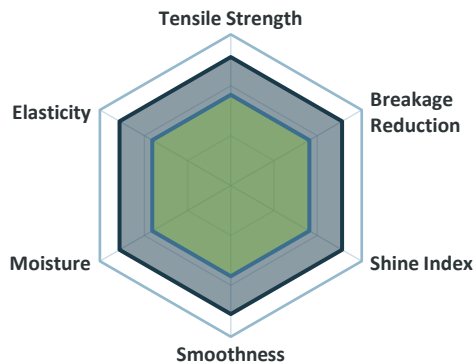
- Intensive repair treatments (1–5%)
- Deep conditioning masks
- Professional salon treatments
- Overnight nano keratin repair serums



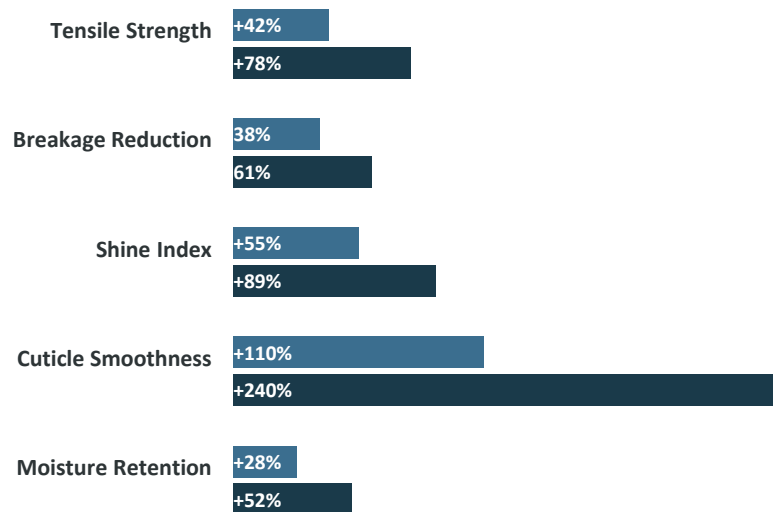
KeraSil™ 1X vs 3X — Performance Comparison

Radar Profile & Before vs After Clinical Metrics

Multi-Parameter Efficacy Profile



Measurable Improvement (%)



KeraSil™ 1X (10%)

KeraSil™ 3X (30%)

KeraMatrix KeraPure™

INCI: C12-15 Alkyl Benzoate (and) Isopropyl Myristate (and) Isopropyl Palmitate (and) Hydrolyzed Nano Keratin (and) Pentaerythrityl Tetra-di-t-butyl Hydroxyhydrocinnamate (and) Tocopherol (and) Phenoxyethanol

Silicone-Free Vegan Oil-Soluble Nano Keratin

Key Benefits

- Strengthens hair fiber
- Reduces breakage
- Clean beauty compliant
- Enhances elasticity
- A 3X version is also available

Applications

- Clean beauty haircare
- Scalp oils
- Strengthening serums
- Natural oil systems



KeraMatrix KeraPure™ 1X

10% Hydrolyzed Nano Keratin Protein | Silicone-Free Standard

Standard-Strength Silicone-Free Vegan Nano Keratin Complex

Clinical Performance (Before → After)

- Tensile Strength: +35% improvement
- Breakage Reduction: 45% fewer broken fibers
- Elasticity Index: +48% improvement
- Cuticle Smoothness: 1.8x smoother surface
- Moisture Retention: +32% after 24 hrs

Recommended Formulations

- Clean beauty leave-in serums (10–50%)
- Scalp treatment oils
- Natural strengthening conditioners
- Silicone-free styling products
- Ready-to-use repair serum (neat application)



KeraMatrix KeraPure™ 3X

30% Hydrolyzed Nano Keratin Protein | Silicone-Free High Concentration

High-Potency Silicone-Free Vegan Nano Keratin Complex

Clinical Performance (Before → After)

- Tensile Strength: +68% improvement
- Breakage Reduction: 72% fewer broken fibers
- Elasticity Index: +85% improvement
- Cuticle Smoothness: 2.9x smoother surface
- Moisture Retention: +58% after 24 hrs

Recommended Formulations

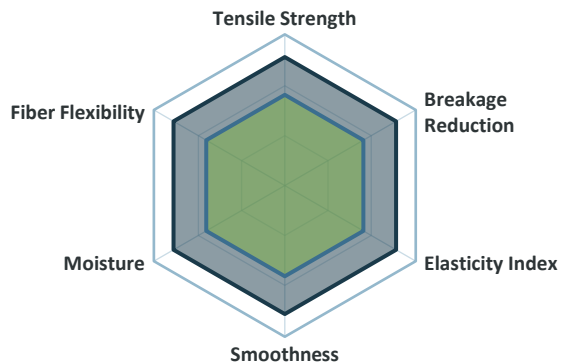
- Intensive clean beauty treatments (1–5%)
- Professional silicone-free masks
- Overnight repair concentrates
- Deep scalp therapy oils
- Ready-to-use intensive repair serum



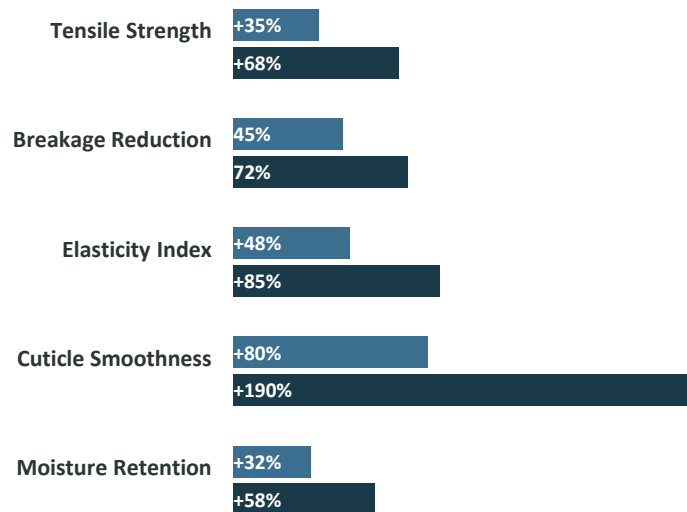
KeraPure™ 1X vs 3X — Performance Comparison

Radar Profile & Before vs After Clinical Metrics

Multi-Parameter Efficacy Profile



Measurable Improvement (%)



KeraPure™ 1X (10%)

KeraPure™ 3X (30%)



KeraSil™ vs KeraPure™ — Head-to-Head

Choosing the Right Nano Keratin Complex for Your Formulation

KeraSil™

Silicone-Modified Vegan Nano Keratin

KeraPure™

Silicone-Free Vegan Nano Keratin

Silicone-modified complex

Chemistry

100% silicone-free complex

No

Clean Beauty

Yes

Shine ★★★★★
Adhesion ★★★★★

Top Strength (3X)

Repair ★★★★★
Elasticity ★★★★★☆

★★★★★ Superior gloss

Shine

★★★★☆ Natural luster

★★★★☆ Strong repair

Repair

★★★★★ Max structural repair

Premium serums, hair oils

Best For

Clean beauty, scalp care

10% (1X) to 30% (3X)

Protein Range

10% (1X) to 30% (3X)

Best for: Premium Performance

High-gloss serums, professional treatments

Best for: Clean Beauty

Natural formulations, scalp therapy

Performance Claims Grid

Technology	Flexibility	Adhesion	Shine	Cushion	Repair	Clean Beauty
KeraSil™ 1X (10%)	★★★★☆	★★★★☆	★★★★☆	★★☆☆☆	★★★★☆	No
KeraSil™ 3X (30%)	★★★★☆	★★★★★	★★★★★	★★☆☆☆	★★★★★	No
KeraPure™ 1X (10%)	★★★★☆	★★★★☆	★★★★☆	★★☆☆☆	★★★★☆	Yes
KeraPure™ 3X (30%)	★★★★☆	★★★★☆	★★★★☆	★★☆☆☆	★★★★★	Yes

Thank You



TechMatrixTM

Beauty, Engineered.



Proprietary Technology Platform

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