



ZENTAN Z 01

Modified polymer with renewable sources

Aspect	: Brown Colour Liquid
Basis	: Functionalized Polymer with animal hydrolysate
pH (1:10)	: 5.0 - 6.0
Solubility in water	: Soluble
Active Content	: 40 ± 2
Charge	: Anionic
Light fastness	: Excellent

PROPERTIES

ZENTAN Z 01

- Natural based biopolymer suitable for the production of a wide range of articles.
- Specially designed low molecular weight polymer with outstanding dispersion and buffing properties
- It produces excellent fullness and softness with a tight and fine grain.
- It is suitable for making white and pastel shades, due to its light fastness.
- It improves the buffing properties with more uniform fibres, hence suited for producing suede and nubuck articles.

APPLICATIONS

(% based on shaved weight)

Shoe Upper	: 3.0 – 5.0% of ZENTAN Z 01
Lining	: 2.0 – 4.0% of ZENTAN Z 01
Garments	: 2.0 – 3.0% of ZENTAN Z 01
Upholstery Leathers	: 3.0 – 5.0% of ZENTAN Z 01
Split Suede	: 4.0 – 6.0% of ZENTAN Z 01

STORAGE

Under dry and cool storage conditions, the product does not show any problems and has a shelf life of one year.



ZENTAN Z 02

Natural-based reinforced biopolymer

Aspect	: Brown Color Powder
Basis	: Organic polymer with natural core
pH (1:10)	: 6.5 - 8.0
Solubility in water	: Soluble
Moisture content	: 6.0 % Max.
Charge	: Anionic

PROPERTIES

ZENTAN Z 02

- Biopolymer of natural origin that is suitable for retannage of all types of leather.
- It improves the fullness and the grain tightness, especially in the looser structured areas of the leather.
- A very notable improvement of grain tightness is achieved
- It provides a smooth and fine grain to the leather
- It improves buffing and embossing characteristics on suede and corrected grain leather.

APPLICATIONS

(% based on shaved weight)

Shoe Upper	: 6.0 – 10.0% of ZENTAN Z 02
Lining	: 3.0 – 8.0% of ZENTAN Z 02
Nappa Leathers	: 4.0 – 6.0% of ZENTAN Z 02
Sheep Upper	: 4.0 – 8.0% of ZENTAN Z 02

STORAGE

Under dry and cool storage conditions, the product does not show any problems and has a shelf life of two years. Some caking may appear if stored under warm, damp conditions but this does not affect either the solubility or efficiency of the product.



ZENTAN Z 03

Compact Syntan with sustainable sources

Aspect	: Pale Brown Color Powder
Basis	: Polypeptides with amino resin.
pH (1:10)	: 6.5 - 8.0
Solubility in water	: Soluble
Moisture content	: 6.0 % Max.
Charge	: Anionic

PROPERTIES

ZENTAN Z 03

- It is used to fill and compact the empty and frayed structures of the leather, giving good fullness in flanks and bellies
- It will tighten the grain and improves the feel of the leather.
- It improves the flatness and smoothness of the grain.
- It Improves adhesion, elasticity, fibre compaction and buffing.
- It also imparts a good embossing effect and is best suited for shoe uppers and high quality automotive leathers.

APPLICATIONS

ZENTAN Z 03 can be used for fast, economical and compact leather processing.

% Based on shaved weight

Shoe Upper	: 6.0 – 10.0% of ZENTAN Z 03
Nubuck	: 6.0 – 10.0% of ZENTAN Z 03
Lining	: 3.0 – 6.0% of ZENTAN Z 03
Sheep Garment	: 2.0 – 4.0% of ZENTAN Z 03
Split Suede	: 4.0 – 8.0% of ZENTAN Z 03
Upholstery	: 4.0 – 8.0% of ZENTAN Z 03

STORAGE

Under dry and cool storage conditions, the product does not show any problems and has a shelf life of two years. Some caking may appear if stored under warm, damp conditions but this does not affect either the solubility or efficiency of the product.



ZENTAN Z 04

Natural derivatives

Appearance	: Light yellow powder
Basis	: Natural protein
Moisture content	: 6.0 % Max.
pH (1:10)	: 6.0 – 7.5
Solubility	: Partially soluble in water

PROPERTIES

ZENTAN Z 04

- It provides good filling in loosely structured areas and is deposited in the skin's empty parts as well as between the grain and the reticular layer.
- It can be added to the chrome tannage, chrome free tannage or retannage to get the following: -
 - Full, Round handle
 - Reduced growth marks and improved the selection
 - Smooth, fine and firm grain
 - Better cutting value
- When used in retanning, the tightness of the fibres is improved, resulting in a short nap on suede and nubuck.
- It does not bleach the shades as it has got its own receptivity to dyes.
- This product is completely environmentally friendly.

APPLICATIONS

ZENTAN Z 04 is used in retanning and it is offered in powder form after dyes, in short float for 5 to 10 minutes before fat liquor to get full, round and tight grain.

1) During re-tanning:

% based on wet blue shaved weight

Garment sheep skins	: 3.0 – 6.0 % of ZENTAN Z 04
Thin Upper leather	: 3.0 – 5.0 % of ZENTAN Z 04
Thick Upper leather	: 2.0 – 4.0 % of ZENTAN Z 04
Splits	: 4.0 – 8.0 % of ZENTAN Z 04



Suede leathers : 3.0 – 5.0 % of **ZENTAN Z 04**

2) During Chrome tanning:

% based on pelt weight

Cow hide : 1.0 – 1.5% of **ZENTAN Z 04**

Sheep and goat skins : 1.0 – 2.0% of **ZENTAN Z 04**

STORAGE

Under dry and cool storage conditions, the product does not show any problem and has a shelf life of two years. Some caking may appear if stored under warm, damp conditions but this does not affect either the solubility or efficiency of the product.



ZENTAN Z 05

Universal Softening Polymer

Appearance	: Light Brown Liquid
Basis	: Functionalized polymer with biomass
Active content	: 43 ± 2 Max.
pH (1:10)	: 5.5 – 6.5
Solubility	: Soluble in water
Lightfastness	: Very Good

PROPERTIES

ZENTAN Z 05

- It provides the leather with exceptional filling, leaving the degree of firmness unchanged.
- It imparts excellent roundness and fullness with moderate softness to the leather.
- It Improves the whiteness and flatness of the grain, reducing the visible grain defects.
- It has very good lightfastness, making it suitable for white and light color leathers.
- It has a very low effect on dye yield, enabling the production of strong and bright shades.

APPLICATIONS

Retanning : Up to 15% of **ZENTAN Z 05** (Based on the type of leather produced)

% Based on shaved weight

Garment Leathers	: 4.0 – 6.0% of ZENTAN Z 05
Shoe Upper	: 4.0 – 8.0% of ZENTAN Z 05
Nappa Leathers	: 4.0 – 6.0% of ZENTAN Z 05
Milled Leathers	: 4.0 – 8.0% of ZENTAN Z 05

STORAGE

Under dry and cool storage conditions, the product does not show any problems and has a shelf life of one year.



ZENTAN Z 06

Modified Vegetable extract for black leather

Appearance	: Brown powder
Basis	: Natural Polyphenol with reductant.
Moisture content	: 6.0 % Max.
PH (1:10)	: 2.5 – 4.0
Solubility	: Soluble in water

PROPERTIES

ZENTAN Z 06

- It imparts bluish black shade to the leather.
- Due to its tanning property, vegetable tanning agent usage can be reduced or it can be completely eliminated.
- Unlike other normal vegetable extracts, it does not bleach the black dyes but instead leaves a black shade on the leather.
- It reduces the quantity of black dye used in the dyeing process, resulting in cost savings.
- It is a 100% formaldehyde-free, eco-friendly product

APPLICATION

Up to 3.0 – 6.0% of **ZENTAN Z 06** (% based on shaved weight for black crust)

STORAGE

Under dry and cool storage conditions, the product does not show any problems and has a shelf life of 2 years. Some caking may appear if stored under warm, damp conditions but this does not affect either the solubility or the efficiency of the product.



ZENTAN Z 07

Natural based tanning agent

Appearance	: Yellowish Liquid
Basis	: Aldose from renewable source
PH (1:10)	: 3.0 – 4.0
Active Solids	: 55 ± 2 %
Solubility	: Soluble in water
Stability	: Weak acid, strong acid and alkali
Optimum pH Stability	: 3.0 – 8.0

PROPERTIES

ZENTAN Z 07

- Natural based tanning agent renowned for its excellent tanning action, making it an ideal choice for producing Cr free, Metal free and Glutaraldehyde free leathers.
- A Specialized Indicator is used to accurately determine the pH of the leather.
- It provides optimal leather performance across various substrate while minimizing environmental impact and maintaining consistent production standards.
- Best suited for making shoe uppers, goods and garments free of Chrome, Minerals and Glutaraldehyde.
- Tanning with **ZENTAN Z 07** yield shrinkage temperatures ranging between 70°C to 80°C.
- It can also be used for a pickle-free tanning process, which reduces effluent load, water, and energy consumption, providing a significant environmental advantage with a more efficient tanning process.
- This tanning agent provides an excellent base for making sustainable leather when combined with the **ZENTAN SERIES** during post tanning process.

APPLICATIONS

% based on pelt weight

For Skins	:	8.0 % of ZENTAN Z 07 after Pickling
For Hides	:	6.0 % of ZENTAN Z 07 after Pickling
		Run for 5 hours
Basification pH	:	7.0 – 8.0

Drain/wash/pile/ageing for 2 days

The above information has been given in good faith, without liability



Kindly contact our technical representative for assistance with the process development

STORAGE

Under dry and cool storage conditions, the product does not show any problem and has a shelf life 18 months. Recommended storage temperature is below 30°C.



ZENTAN Z 08

Amino Acid enriched tanning agent

Appearance	: Pale Yellow Color Powder
Basis	: Amino Acid enriched Aromatic derivative
Moisture content	: 6.0 % Max.
pH (1:10)	: 3.0 – 4.0
Solubility	: Soluble in water

PROPERTIES

ZENTAN Z 08

- This product is protein and aromatic based biopolymer with **very low Bisphenols**.
- It enhances the fullness of the leather and can be used alone or in combination with vegetable tanning agents for retanning leather.
- It provides a smooth and fine grain with good softness
- It dissolves easily, so no sludge is formed. It is not sensitive to salts.
- Highly recommended retanning agents to use on Cr Free or any Metal Free leathers for the production of sustainable leather.

APPLICATIONS

ZENTAN Z 08 can be used in all stages for the production of any articles

% Based on shaved weight

Upper Leathers	: 8.0 – 10.0% of ZENTAN Z 08
Garment Leathers	: 4.0 – 8.0% of ZENTAN Z 08
Light Leathers	: 3.0 – 6.0% of ZENTAN Z 08
Sheep Skins	: 4.0 – 8.0% of ZENTAN Z 08

STORAGE

Under dry and cool storage conditions, the product does not show any problems and has a shelf life of 2 years. Some caking may appear if stored under warm, damp conditions but this does not affect either the solubility or the efficiency of the product.



ZENOIL Z 09

Lecithin based Compact Fat liquor

Aspect	: Light Brown liquid
Basis	: Lecithin fat liquor compact with Bio materials
Active content	: 45 ± 1 %
pH (1:10)	: 6.5 – 8.5
Solubility	: Soluble
Stability	: Stable to electrolytes at normal concentrations in tannery

PROPERTIES

ZENOIL Z 09

- It imparts uniform softness throughout the leather cross section.
- It should be diluted three times on its weight of water at 50°C with constant stirring.
- This product is specially recommended to get good softness in the production of garments, upholstery and soft suede with a silky touch.

APPLICATIONS

(% Based on shaved weight)

Cow and Buff TC	: 3.0 – 4.0 % of ZENOIL Z 09
Upholstery	: 4.0 – 5.0 % of ZENOIL Z 09
Softy leather	: 2.0 – 4.0 % of ZENOIL Z 09
Suede leather	: 2.0 – 4.0 % of ZENOIL Z 09
Splits	: 3.0 – 5.0 % of ZENOIL Z 09

STORAGE

Under dry and cool storage conditions, the product does not show any problem and has a shelf life of two years. Some caking may appear if stored under warm, damp conditions but this does not affect either the solubility or the efficiency of the product.