

New generation sustainable polymers

RW Series Renewable Textile Binders

Contributing to the sustainability of our environment, our society and our economy is one of our most important responsibilities in today's changing world. We need to produce together, work hard for the future and realize the footprints we leave behind.

We believe that we can lead a better life together and aim to create a positive impact with our future proof product portfolio. Renewable Textile Binders represent a new generation water-based polymers with sustainable content.

ORGAL® RW B50 FF



ORGAL® RW B430



ORGAL® RW R50 FF



ORGAL® RW R430



Biobased Products

Biobased products refer to products wholly or partly derived from sustainable renewable sources, such as plants, trees and other biomass materials.

ASTM D 6866
C14 Biobased Carbon



Recycled

Recycled polymers are a result of chemical recycling of industrial and post consumer plastic waste

ISO 14025



Mass Balance Approach

(Bio)mass balance is about mixing fossil and recycled or renewable raw materials in existing systems and processes while keeping track of their quantities and allocating them to specific products.

ISCC PLUS



Compostable

The term compostable refers to a product or material that can biodegrade under specific circumstances such as humidity, temperature, time, etc.

EN 13432



Biodegradable

A biodegradable product has the ability to break down, safely and relatively quickly, by biological means, into the raw materials of nature and disappear into the environment.



Tailor Made Solutions

Organik Kimya offers flexible polymer design by sustainable building block selection. Combination of above-mentioned concepts is possible for maximum sustainable value.

	Chemical Composition	Solid Content	Sustainable Content	Content Type	Carbon Footprint Saved per kg (compared to std OK product)	pH	Viscosity (max)	T _g (°C)	Applications
Orgal® RW B50 FF	AC	50±1%	25%*	Biobased 	36.38%	3.5 – 5.0	500 cps	-12°C	Formaldehyde free textile finishing&printing
Orgal® RW R50 FF	AC	50±1%	25%**	Recycled 	12.25%	3.5 – 5.0	500 cps	-12°C	Formaldehyde free textile finishing&printing
Orgal® RW B430	AC	45±1%	28%*	Biobased 	41.71%	3.0 – 5.0	150 cps	-8°C	Formaldehyde free textile finishing
Orgal® RW R430	AC	45±1%	25.4%**	Recycled 	N.A.	3.0 – 5.0	500 cps	-11°C	Formaldehyde free textile finishing

* Approx. theoretical calculation on the percentage of renewable carbon from bio-based monomers on total organic carbon.

** Approx. theoretical calculation on the percentage of recycled monomers originating from industrial and post-consumer plastic waste.

ORGAL® RW B50 FF | ORGAL® RW R50 FF

25%
Renewable
Biobased 

Very soft hand with good tensile strength and durability.
Because of these properties, it is suitable for wide range of textile applications. The usage quantity might vary depends on application method and types of the fabric.

25%
Renewable
Recycled 

Highlights

- Formaldehyde free sustainable acrylic polymer binder.
- It combines softness with the inherent durability of a self-crosslinking binder, without the associated formaldehyde emissions.
- This self-crosslinking binder provides good color yield and brilliancy, combined with softness and wet durability.

Properties

- Formaldehyde free
- Good tensile strength
- Soft hand
- Excellent wash durability
- Self-crosslinking
- Good formulation stability
- Excellent runability
- Suitable for foam applications
- Good compatibility with most anionic and non-ionic polymer dispersions, fixing agents, thickeners, pigment dispersions and fillers.

ORGAL® RW B430 | ORGAL® RW R430

Orgal RW B430

28%
Renewable
Biobased 

Soft hand with good durability. Because of these properties, it is suitable for wide range of textile applications. The usage quantity of ORGAL RW 50301 might vary depends on application method and types of the fabric.

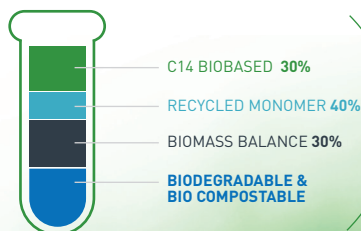
25.4%
Renewable
Recycled 

Highlights

- Formaldehyde free sustainable acrylic polymer binder.
- It is a self-crosslinking acrylic polymer binder which produce finishes with binding properties which is durable to both washing and dry-cleaning.
- As self-crosslinking acrylic emulsions, they do not require the addition of a nitrogenous or other external crosslinking agent.

Properties

- Formaldehyde free
- Good tensile strength
- Soft hand
- Excellent wash durability
- Self-crosslinking
- Good formulation stability
- Excellent runability
- Suitable for foam applications
- Good compatibility with most anionic and non-ionic polymer dispersions, fixing agents, thickeners, pigment dispersions and fillers.



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SUSTAINABLE SOLUTIONS**



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