

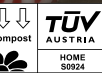


packaging **flexible packaging**

# paraflex nowax™

vegetable-based

waxes



**Experience performance** in the way  
our **vegetable based coatings** deliver  
sustainable functionality to your **paper  
based packaging solutions**

waxes adhesives coatings

Paraflex Nowax™ vegetable-based waxes offer a sustainable answer to a host of today's packaging challenges with a positive consumer image. These coating waxes provide paper based packaging with the needed functionality like controllable barrier properties, high gloss levels, excellent release characteristics and bring additional machineability benefits like low coefficient of friction, good scuff resistance and heat sealability. They can be run on existing wax coating equipment and can meet all renewability and 'end of life' requirements.

### End of life options

- Compostable - suitable packaging constructions allow certification to EN 13432.
- Inherently biodegradable - minimises littering impact.
- Repulpable - through appropriate processes.
- Contributes high calorific value - for incineration.

### Renewable sources - responsibly grown

- Responsibly managed forests (certified fiber sources).
- Waxes are based on sustainably produced vegetable oils.
- Vegetable oils used for the Paraflex Nowax range meet the criteria of the RSPO and WWF and are GMO-free.
- Up to 100% bio-based.



### For waxed paper

- Confectionery (twist/fold/wrap/seal).
- Cheese retail PoS (point of sale) wrap.
- Meat PoS wrap.
- Fastfood PoS wrap.
- Bread bags / bread seal wrap.

### 'People Prefer Paper'

Consumer surveys in Europe confirm that paper packaging has a very powerful appeal for consumers. An IPSOS study commissioned by PaperImpact highlighted that

- 93% prefer paper for its positive environmental perception.
- 87% prefer paper for convenience factors (easy opening, controlled tear).
- 80% prefer the feel of paper-based packaging.

### Functionality

Compared with traditional paraffin-based wax coatings vegetable-based solutions offer a number of advantages in the delivered functionality.



### For waxed (corrugated) board

- Fruit and vegetables.
- Frozen fish.



Our Paraflex Nowax CW products meet the EN 13432:2000 standard, which outlines requirements for packaging recoverable through composting and biodegradation. We conducted home and industrial compostability tests on a representative product and raw materials used for formulating our products, according to the OK compost INDUSTRIAL and HOME certification schemes by TÜV AUSTRIA. The tests used paper two-side coated with 6 g/m<sup>2</sup> coating wax on 40 g/m<sup>2</sup> paper, ensuring compliance for Paraflex Nowax CW. Additional testing may be necessary.

## Processing & products

Paraflex Nowax™ vegetable waxes can be applied on e.g. paper by a standard roller coating process. Typical application weights for one-sided coatings are 4 - 10 g/m<sup>2</sup> and for two-sided coatings 8 - 12 g/m<sup>2</sup>.

	Product name	Viscosity in mPa.s	Application temperature in °C	Product in brief
Palm-based	<b>Paraflex Nowax CW 5730</b>	40 - 55 @ 100°C	100 - 130	Formulated vegetable wax for high gloss, excellent release and CoFin twist, wrap and fold applications.
	<b>Paraflex Nowax WS 5770</b>	225 - 325 @ 130°C	120 - 140	Formulated heat sealable vegetable wax (wax seal) for high gloss, excellent release and CoF in twist, wrap and fold applications.
	<b>Paraflex Nowax CW 6076</b>	5 - 10 @ 100°C	90 - 110	Formulated as paraffin replacement for high gloss food wrapping papers & cardboard packaging applications.
	<b>Paraflex Nowax CW 6083</b>	20 - 30 @ 100°C	100 - 130	Formulated to give good flexibility, abrasion, fat and grease resistance on open papers for example in applications such as burger and sandwich wrap.
	<b>Paraflex Nowax CW 6084</b>	20 - 30 @ 100°C	100 - 130	Cost effective grade formulated to give water resistance on more open recycled wrapping papers.
	<b>Paraflex Nowax CW 6111</b>	7 - 11 @ 100°C	100 - 130	Basic vegetable wax for 2-side coating of paper.
	<b>Paraflex Nowax CW 65</b>	90 - 100 @ 100°C	100 - 130	Formulated vegetable wax for packaging paper and maturation of soft cheese.
	<b>Paraflex Nowax CW 6123</b>	44 @ 100°C	100-130	Medium viscosity formulated vegetable wax for packaging paper and maturation of soft cheese.
Palm-free	<b>Paraflex Nowax CW 6103</b>	41 - 57 @ 100°C	100 - 130	Formulated vegetable wax for high gloss, excellent release and CoF Typical use is in twist, wrap and fold applications.
	<b>Paraflex Nowax CW 6096</b>	5 - 15 @ 100°C	90 - 110	Formulated as paraffin replacement for food wrapping papers & cardboard packaging applications.
	<b>Paraflex Nowax CW 6101</b>	20 - 28 @ 100°C	100 - 130	Formulated to give good flexibility, abrasion, fat and grease resistance on open papers for example in applications such as burger and sandwich wrap.
	<b>Paraflex Nowax CW 6105</b>	20 - 30 @ 100°C	100 - 130	Formulated to give good flexibility, abrasion, fat and grease resistance on open papers for example in applications such as burger and sandwich wrap.
	<b>Paraflex Nowax CW 6112</b>	150 @ 100°C	110 - 130	High viscosity coating wax for one side coating providing high coating thickness and optimum barrier performance.
	<b>Paraflex Nowax WS 6102</b>	240 - 340 @ 130°C	120 - 140	Formulated heat sealable vegetable wax (wax seal) for high gloss, excellent release and CoF Typical use is in twist, wrap and fold applications.
	<b>Paraflex Nowax WS 6098</b>	550 @ 100°C	120 - 140	Formulated heat sealable vegetable wax (wax seal) for high gloss, excellent release and Co.
	<b>Paraflex Nowax WS 6122</b>	115 @ 130°C	120 - 140	Lower viscosity Nowax WS 6102 light sealable vegetable wax (wax seal) for high gloss, excellent release and CoF Typical use is in twist, wrap and fold applications.
	<b>Paraflex Nowax WS 6133</b>	240 @ 130°C	120 - 140	Formulated heat sealable vegetable wax (wax seal) for high gloss, excellent release and CoF. Specially designed for low scuffing.
	<b>Paraflex Nowax HS 9791</b>	1900 - 2700 @ 130°C	130 - 150	Formulated Heat Sealable wax with high seal strength for application on various materials like paper, films and foil and Over Print Varnishes.
	<b>Paraflex Nowax HS 9875</b>	760 @ 130°C	130 - 150	Formulated Heat Sealable wax with good seal strength for application on various materials like paper, films and foil and Over Print Varnishes. Optimized balance between heat seal performance and runnability on wax coating units.
Non-blooming	<b>Paraflex Nowax CW 6065</b>	45 - 65 @ 120°C	100 - 130	Formulated vegetable wax specifically designed for dark-coloured substrates requiring stable optical performance.
	<b>Paraflex Nowax CW 6089</b>	15 - 25 @ 100°C	90 - 110	Formulated vegetable wax specifically designed for use in twist, wrap and fold applications requiring high and consistent gloss levels.
	<b>Paraflex Nowax CW 6120</b>	15 @ 120°C	110 - 130	Non-blooming vegetable wax specifically designed for dark-coloured substrates requiring stable optical performance (permanent high gloss) and low friction.
	<b>Paraflex Nowax HS 9880</b>	2050 @ 130°C	130 - 150	Formulated Heat Sealable wax with good seal strength for application on various materials like paper, films and foil and Over Print Varnishes. Optimized balance between heat seal performance and runnability on wax coating units. Specially designed to reduce scuffing.
	<b>Paraflex Nowax L 301</b>	35 - 65 @ 130°C	100 - 130	Vegetable based laminating wax for combinations of paper, film and Aluminium foil.
	<b>Paraflex Nowax L 401</b>	270 - 340 @ 130°C	100 - 130	Vegetable based laminating wax for combinations of paper, film and Aluminium foil when higher bond strength is required.
	<b>Paraflex Nowax L 501</b>	80 - 140 @ 130°C	100 - 130	Vegetable based laminating wax for combinations of paper, film and Aluminium foil when higher bond strength is required.



## We are **Paramelt**

Founded in 1898, Paramelt has over 125 years of experience and today is a global producer of wax blends, adhesives and specialty dispersions. Operating from production sites in The Netherlands, United Kingdom, the USA and China we work together in a team of about 500 employees around the world. In most of our core applications Paramelt is the acknowledged market leader.

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