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BASF Aktiengesellschaft

# Lepton® Colors NB

## Automotive grade pigment preparations for use in aqueous leather finishes

Lepton Colors NB are pigment preparations that have been specially developed for finishing automotive leather. They are free of volatile organic compounds, free of casein, and free of heavy metals. Lepton Colors NB have exceptionally high color strength.

Leather that has been finished with Lepton Colors NB is distinguished by its very natural appearance, its excellent durability, and its high fastness. Lepton Colors NB are extremely compatible with each other and can be dispensed either by volumetric or gravimetric methods. A full color range makes it possible to match virtually any shade.

Product range	Composition	Pigment content
<b>Lepton White NB</b>	Titanium dioxide	approx. 73 %
<b>Lepton Black NB</b>	Carbon black	approx. 44 %
<b>Lepton Caramel NB</b>	Yellow oxide	approx. 57 %
<b>Lepton Brown NB</b>	Yellowish red oxide	approx. 68 %
<b>Lepton Dark Brown NB</b>	Bluish red oxide	approx. 69 %
<b>Lepton Green Blue NB</b>	Greenish organic blue	approx. 40 %
<b>Lepton Red Blue NB</b>	Reddish organic blue	approx. 28 %
<b>Lepton Green NB</b>	Bluish organic green	approx. 40 %
<b>Lepton Red Violet NB</b>	Organic red violet	approx. 27 %
<b>Lepton Red NB</b>	Organic red	approx. 37 %
<b>Lepton Deep Red NB</b>	Organic red	approx. 42 %
<b>Lepton Yellow NB</b>	Organic yellow	approx. 37 %
<b>Lepton Golden Yellow NB</b>	Organic yellow	approx. 48 %
<b>Lepton Orange NB</b>	Organic orange	approx. 44 %

**IMDS classification**  
(only applies to automotive leather)

Pigments

### Storage

These products have a shelf life of at least twelve months if they are stored in their tightly sealed original packaging at temperatures between 5 °C and 40 °C. Drums should be tightly resealed each time material is taken from them, and their contents should be used up as soon as possible after they have been opened.



These products must be protected from frost. They must be stirred thoroughly before use.

## Properties

**Lepton Colors NB** are distinguished by the following properties.

- New generation of environmentally friendly dispersions suitable for automotive applications.
- The color strength is extremely high.
- The pigment dispersions are extremely pure, and contain no fillers.
- Coverage on difficult shades is possible without over-loading the finish film.
- Color matching is simplified.
- There is no yellowing of the colors.
- Their viscosity is user friendly and remains constant.
- They are extremely compatible with each other resulting in fewer production color control issues.
- They do not cause finishes to become brittle.

The **Lepton Colors NB** have the following advantages when they are used to formulate finishes.

- Engineered to be automatically or manually dispensed.
- Very consistent, reproducible results can be obtained in terms of all physical and coloristic properties.
- Fewer coats of finish need to be applied because of their excellent leveling and high coverage.
- The high solids content minimizes transport and storage costs.

	Coverage	Resistance to migration*	Lightfastness**
<b>Lepton White NB</b>	High	5	>7
<b>Lepton Black NB</b>	Very high	5	>7
<b>Lepton Caramel NB</b>	High	5	7
<b>Lepton Brown NB</b>	Very high	5	6–7
<b>Lepton Dark Brown NB</b>	Very high	5	>7
<b>Lepton Green Blue NB</b>	Moderate	4–5	6
<b>Lepton Red Blue NB</b>	Moderate	4–5	7
<b>Lepton Green NB</b>	Transparent	5	6
<b>Lepton Red Violet NB</b>	Moderate	5	7
<b>Lepton Red NB</b>	Moderate	5	6
<b>Lepton Deep Red NB</b>	High	4–5	6
<b>Lepton Yellow NB</b>	Transparent	5	7
<b>Lepton Golden Yellow NB</b>	Transparent	5	6
<b>Lepton Orange NB</b>	Transparent	5	7

\* Resistance to migration in PVC according to DIN EN ISO 15701  
 5 = no staining  
 4 = slight staining  
 3 = staining  
 2 = strong staining  
 1 = very strong staining

\*\* Lightfastness measured according to DIN EN ISO 105-B06  
 single exposure to light on blue-scale

## Application

**Lepton Colors NB** can be used to finish all types of leather, but they are particularly recommended for finishing automotive leather.

**Lepton Colors NB** can be applied in all aqueous finishes that are formulated with anionic binders. Finishes can be applied by all conventional modern coating techniques.

**Lepton Colors NB** are easy to dilute with water. The contents of drums should be stirred thoroughly before use. The drums should then be tightly resealed to prevent the paste from drying out.

Before they are applied to the leather, finishes should be filtered through a fine sieve, such as a sieve made from nylon fabric with a mesh of max. 125 µm.

The shades of our dyes and pigments are illustrated in special pocket shade cards.

Please file this leaflet in your "Finishing" binder, Section 1.

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## Safety

When using these products, the information and advice given in our **Safety Data Sheet** should be observed. Due attention should also be given to the **precautions** necessary for handling chemicals.

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## Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

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