

Technical information

Last update: 28th March 2015

1. General

NANOXID NCC color concentrates are fluid formulations for the coloration of **NANOXID** paints. **NANOXID NCC** are either solutions of dyestuff or dispersion of pigments. **NANOXID NCC** allows mixing the paint in the desired color without any complicated dispersion or dilution process. Another advantage is the longer shelf-life of the **NANOXID NCC**, compared with the ready-mixed **NANOXID** paints.

2. Storage and Handling

We recommend using **NANOXID NCC** within the 12 months after filling date. **NANOXID NCC** should be stored in a cool place and protected from sunlight. Please, also respect the advice in the material safety data sheet.

3. Mixing recommendations

Mixtures with content up to 8% **NANOXID NCC** with 92% Clear Media are normally not critical. Higher amounts of **NANOXID NCC** should be tested, because some application properties, shelf life and film properties may be influenced by too much **NANOXID NCC**.

Typical indication for high amount of **NANOXID NCC** may be:

- Bad levelling, orange peel effect
- Bad gloss
- Chalking
- Bad adhesion
- Bleeding of the colorant
- Reduced shelf life of the paint

4. Application

The **NANOXID NCC** is added to the clear media. Direct application of **NANOXID FK** is not recommended. For homogenization, short stirring or shaking of the container is sufficient. If more than one color concentrates are mixed to a clear media, the mix should be homogenized after every addition of **NANOXID NCC**.

5. Overview of standard NANOXID color concentrates

Name	Color	Colorant
NCC Blue 2	Blue, greenish	Pigment
NCC Brown 1	Brown	Pigment
NCC Yellow 2	Yellow	Dye
NCC Yellow 3	Yellow	Pigment
NCC Yellow 4	Yellow, slightly orange	Dye
NCC Yellow 6	Yellow, slightly greenish	Dye
NCC Orange 2	Orange	Dye
NCC Orange 3	Orange	Pigment
NCC Red 4	Red, slightly blueish	Dye
NCC Red 5	Red	Pigment
NCC Red 6	Red, slightly blueish	Pigment
NCC Red 7	Red	Dye
NCC Red 9	Red	Dye
NCC Violet 2	Violet	Pigment
NCC Black 2	Black	Pigment
NCC Black 3	Black	Dye
NCC White 2	White (not transparent)	Pigment

Other Specific customized **NANOXID NCC** color concentrates are available on request.

6. Remarks

All **NANOXID NCC** color concentrates are not compatible with all NANOXID clear media. For any question, do not hesitate to contact IONICS.

The data of the present technical data sheet are not contractual and may be amended in line with technological progress relating to the product.