



Technical Sheet

B-CHEM Snc

Technical data sheet nr. NV 3007: concentrated pigment dispersion for universal use

Product: **UNIVERSAL TINTING PASTE BLACK LW71**

Revision date: 18.05.2005

Product specifications valid from : 22/12/2003

Version: 1.0

Printing date: 15/02/2006

UNIVERSAL TINTING PASTE BLACK LW71

New generation environmentally and health friendly products

Concentrated pigment dispersion in semi-fluid paste, for universal use, binder free, without alkyl-phenol ethoxylated (APEO-free) and solvents (no-VOC).

Pigment Black 7

Organic Pigment

Chemical Group : carbon black

Color Index : P.Bl. 7 – CI 74260

Product description

UNIVERSAL COLOURANT BLACK LW 71 is a concentrated pigment dispersion in paste, in aqueous solution, binder free, without alkyl-phenol ethoxylated (APEO-free) and solvents (NO-VOC). Produced in a ready to use semi-fluid paste, it has a pourable and pumpable consistency suitable to dye through mixing, water-borne and solvent-borne systems, like decorative paints based on polymeric resin emulsions, enamels, etc. . Organic pigment with high light and weathering fastness. **Suitable for internal and external coatings.**

Chemical and physical characteristics and technical data

| PHYSICAL CHARACTERISTICS | | | |
|--|----------|---|-----|
| Density [gr/ml] 20° | 1,11 | Brookfield viscosity [Pa*s] | 5-8 |
| pH value | 7.5-8.5 | Grinding grade [µm] | 5-7 |
| FASTNESS TO LIGHT | | FASTNESS TO WEATHERING | |
| Full shade (min 1- max 8) | 8 | Full shade (min 1- max 5) | 5 |
| Reduced shade (1/25) (min 1- max 8) | 07/08/09 | Reduced shade (1/25) (min 1- max 5) | 4-5 |
| CHEMICAL RESISTANCE | | PRESERVATION | |
| Acids (min 1- max 5) | 5 | Between 5 and 35° C – store frost free | |
| Alkali (min 1-max 5) | 4 | | |
| STORAGE | | PACKAGING | |
| 24 months in sealed packaging under appropriate conditions | | Hermetically sealed plastic packing from 15 to 500 ml | |

Dosage

The maximum dosage changes depending on the type of paint and, generally, has not exceed of over 10-15 %. The high tinting strength of **UNIVERSAL COLOURANT COLORANTS** ensures good results also with minimum dosage. Do not exceed the following maximum additions:



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- water-based paint (based on polymeric resins emulsions) : 15% circa;
- enamels : from 5 to 10 % circa;
- acrylic paints and enamels : 8% circa;
- laquers, wood stain, waxes, etc. : from 3 to 8%.

Application

UNIVERSAL COLOURANT BLACK LW 71 belongs to the new complete line of universal tinting paste for decorative and do it yourself use developed by the **EUROCOLORI S.r.l. R&D Laboratories**. The new line of **UNIVERSAL COLOURANT COLORANTS** is based on an innovative polymeric wetting and dispersing system, no-VOC, with a highly reduced impact for the environment and users' health. **UNIVERSAL COLOURANT** is composed by 20 different colours, with pigments suitable for internal use (**L type**) and both internal and external use (**LW type**).

UNIVERSAL COLOURANT is one of the most widely used way for preparing coloured paints both by the individual user and even by the professional painters for the following reasons:

1. economy use : **UNIVERSAL COLOURANT** packaging contains a right dosage of pigment paste, suitable for tinting a reasonable quantity of white paint. By this way the user can buy a small quantity of product, without waste and without buying a bigger professional packaging as TINTASOL Eurocolori ;
2. user-friendly: the handy and functional packaging with dosing cap drop by drop allows to create the requested shade in every place, also by the most inexperienced user;
3. after the usage, the cap can be closed again, so that all the packaging content can be used even after time without losing its characteristics ;
4. versatility : **UNIVERSAL COLOURANT** formulation ensures an high compatibility towards a wide range of water based and solvent based paints for decorative use, allowing the tinting of aqueous emulsions based on polymeric resins and solvent based enamels as below detailed :

- aqueous emulsions based on polymeric resins:

- decorative paints;
- acrylic and styrol-acrylic water based paints;
- acrylic-quartz water based paints;
- acrylic-silossan paints, latex paints, ecc
- solvent based paints and enamels:
- alkyd paints, fast drying enamels etc.

We always advise to run a compatibility test (Rub-out test) on a cardboard with some of the paint just tinted.

Environmental protection and safety for user's health

UNIVERSAL COLOURANT is an innovative product, which grants a great use versatility together with the greatest environment protection and the maximum safety for users and consumers.

Protection for users health :

the particular formulation, (**VOC-free**), without solvents and aromatic compounds, grants a high respect for users and consumers health.

The product formulation contains no-dangerous substances for health and environment, or substances for which there are EC exposure limits in working areas.

Material Safety Data Sheet :

M.S.D.S. in accordance with EC directives 1999/45/CE e 2001/60/CE concerning the classification, labelling and packaging of dangerous products.

Material Safety Data Sheet available on request for professional users.



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Formulation and NO-VOC classification in accordance with the following requirements:

EU Directive 2004/42/EC of 21.04.2004.

EU Directive 2002/739/EC of 03.09.2002 (Criteria nr. 2,3,4,5 for **Eco- Label**).

VOC Content : < 10 ppm, Test report nr. IT 6000/2004 of 17.12.2004.

Labelling :

On the basis of characteristics of substances contained in the formulation and current available data, the product has no specific dangerous effects for human health and environment.

The product is classified as “not dangerous” and is “labelling free” in the UE.

The usual precautionary measures at contact with chemicals have to be observed.