

TEHNICAL DATA SHEET

Product description:

Description:	V4220 Extra Weiss is a white, washable acrylic-styrene aqueous emulsion paint. It can be used as a white product or can be tinted with KÖBER brand tinting products.
Use:	It can be applied on all types of masonry surfaces, plaster, concrete, including ACC, gypsum board, plasterboard, etc.
Main characteristic elements:	<ul style="list-style-type: none"> • excellent coating power - coating class 2 (according to SR EN 13300: 2002) • good resistance to dry wiping (3 days after application) • great applicability • reduced drying time • water vapor permeability • allows the surface to breathe • good adhesion to the substrate • environmentally friendly • easy to apply <p>V4220 product should not be mixed with products other than those recommended for tinting by the manufacturer.</p>
Compatibility	48 months from the date of manufacture, subject to compliance with packaging and storage provisions.
Shelf life in packaging:	It is packed in plastic containers with a net capacity of 2L, 4L, 8.5L, 15L and 40kg.
Packaging:	in closed, dry, covered, ventilated spaces, protected against weather and solar radiation, away from fire sources, at temperatures between 5 - 30°C.
Storage:	The products are shipped by covered means of transport according to the regulations in force.
Shipping:	V4220 has a technical agreement drawn up by ICECON Bucharest and issued by the Permanent Technical Council for Constructions - Bucharest.

Certificates: **TECHNICAL QUALITY CHARACTERISTICS**
Table no.1

Item No.	Characteristic name	MU	Characteristic value	Test method
a) Liquid product characteristics				
1	Appearance	-	viscous, thixotropic suspension	visual
2	Colour	-	white	visual
3	Non-volatile substance content, 0.5g/50cm ² , 105°C, 10 min.	%	62 ± 2	SR EN ISO 3251:2019
4	pH - determination with pH meter	-	8.5 - 9	Internal method
5	Stormer viscosity, 25°C	UK	95 - 115	ASTM D 562-10:2018

Product technical data:

6	Density, 23 ° C	g/ml	1.60 ± 0.05	SR EN ISO 2811-1:2016
7	Coating power	coats	2	practical determination
b) Film characteristics				
1	Appearance	-	matt	visual
2	Dry to handle time (Type D) at 23±2°C, 50±5% relative humidity	min.	60	ASTMD 1640M-14:2018
3	Degree of whiteness, min.	%	90	ISO 18314-3

Application details:

Method of application:

Re-coating:

Specific consumption:

Drying time:

V4220 is diluted with clean cold water (15-25°C)

- brushing, rolling: first coat diluted 10%; 2nd coat diluted 10%.
- airless spraying - 1-2 coats of undiluted product

- brushing
- rolling
- airless spraying (pressure 150-250 bar, spraying angle 40°C, nozzle 0.013-0.026)

- min. 2 hours

- up to: 15 m²/ l / coat
- approx. 6-8.5 m²/ l / 2 coats

Consumption depends on application conditions (surface geometry, application method, environmental conditions, nature and preparation of surface).

Drying times depend on temperature and film thickness and are prolonged by decreasing temperature and increasing film thickness. Poor air circulation, excessive humidity and low oxygen content negatively influence the drying process and lead to deterioration of film characteristics.

Preparation of the product for application

Surface preparation:

The application of the product on the surface should be done only after proper preparation, as this step has a determining influence on the quality of the coating and its durability.

Plastered surfaces:

- surface is sanded by rubbing with pumice stone/gritstone/electric sanding machines
- existing cracks are repaired with STUC C4000; for higher thicknesses, it is recommended to apply several successive coats of stucco, with intermediate sanding and dedusting
- plasters that are found to be unsuitable by hammering are removed completely, up to the masonry;
- the plaster coat is made of plaster paste or STUC C4000, the latter being particularly fine and white, with fast drying and excellent sanding properties after complete drying.
- dust resulting from sanding surfaces is removed with brushes, brooms or blown out with compressed air
- old, non-sticky paints are completely removed
- allow the newly applied plaster to dry completely for at least 24 hours before applying the finish coat.

Priming surfaces:

- the purpose of this step is to impregnate the surface and anchor the existing paint coat on the wall, if it is strong enough and has not been removed

<u>before application:</u>	<ul style="list-style-type: none"> • priming provides uniform absorption on the substrate, so that the last coat of finish appears perfectly homogeneous and stain-free; the aim is to increase the adhesion between the applied product and the substrate • priming is mandatory and consists of applying at least one coat of G8101 masonry primer (only after the surfaces have dried completely) • once the primed surface has dried, you can apply the product.
<u>Application conditions:</u>	<ul style="list-style-type: none"> • environment and surface temperature: 10-30°C • relative humidity: max. 70% • it is recommended to ventilate the workspace <p>Note: Failure to comply with these conditions may lead to defects or total damage to the protection.</p> <p>Application with unsuitable tools may result in inappropriate appearances and thicknesses compared to those specified in this technical data sheet.</p>
<u>Application instructions:</u>	<p>After conditioning at 10-30°C and homogenization, the product is applied on the properly prepared surface by:</p> <ul style="list-style-type: none"> • brushing / rolling - first coat is applied diluted 10% with clean cold water (15-25°), and after its complete drying (min. one hour) the second coat is applied diluted 10% with clean cold water (15 -25°C) • airless spraying - 1-2 coats of undiluted product
<u>Remark!</u>	<p>Do not use below + 5°C. Wash the application tools with water immediately after use.</p>
<u>Security Data:</u>	<p>See the product safety data sheet.</p>
<u>Occupational safety:</u>	<p>All handling, shipping, storage and use operations must be carried out in full compliance with fire prevention, occupational health and safety and hygiene regulations.</p> <p>As a water-thinnable product, it does not pose particular occupational safety problems. Avoid contact with skin, eyes and mucous membranes. In case of skin contact rinse with warm water and soap. In case of eye contact, rinse thoroughly with water and then see a specialist.</p>
<u>Note:</u>	<p>All these data are of a general nature regarding the performance and use of the product, therefore we recommend testing the product under the conditions of the beneficiary's own application technology. For further clarification, please contact the manufacturer.</p>