Data Sheet

2K-Aqua Whiteboard 2384

Water-based, two-component, high gloss, for interior use

Color System

Pursuant to EN 71-3
Safety of toys
Resistant to saliva and sweat

Field of application

For creating presentation surfaces for indoor use. In the system build-up with wall nonwoven specially for creating whiteboard surfaces for writing on with whiteboard markers.

Properties

- Water-based
- Excellent adhesion
- Very low odor
- Rapid curing
- Complies with EN 71-3 Safety of toys, resistant to saliva and perspiration

Material description

Color shades
0095 white
Light color shades can be mixed with the Brillux Color System.

Gloss grade
High gloss

Base material
Polyurethane, two-component

VOC
EU limit for this product (Cat. A/j: 140 g/l (2010).
This product contains max. 100 g/l VOC.
The specified VOC value refers to the ready-to-use mixture of base material and hardener.

Flash point
Not applicable

Density
Approx. 1.30 g/cm³

Packaging
0095 white: 625 ml and 2.5 l
Color System: 625 ml and 2.5 l
(Base enamel and hardener are supplied separately)

Brillux ..more than paint

Use

Mixing ratio
5 parts by volume of 2K-Aqua Whiteboard 2384 to 1 part by volume of 2K-Aqua Hardener 2380. This corresponds to about 100 g of base material : 18 g of hardener. Make sure to mix the two components thoroughly.
Do not tightly close containers with mixed material. Such mixtures continue to react; this produces carbon dioxide and could cause the container to burst.

Mixing
Mix the base component and hardener in the specified mixing ratio shortly before application. Then pour the mixture into another clean container and stir again thoroughly. Avoid inclusion of air during mixing. Then allow the mixture to pre-react for about 10 minutes. Do not mix freshly mixed material with residual material. You must comply with the limited time for use (pot life).

Thinning
No thinning.

Tinting
No tinting.

Compatibility
Can only be mixed with similar materials and those stipulated in this data sheet.

Application
2K-Aqua Whiteboard 2384, preferably evenly applied with the Microfiber Paint Roller 1221 and rerolled with the Hydro Paint Roller 1288. If application by brush is preferred, paint brushes with synthetic bristles, such as the Uni-Plus Paint Brush round 1204 are suitable for application. During edging work with a paint brush, carefully reroll the surfaces to even out the coat. With high material accumulations e.g., with runners and “fat edges”, surface defects occur in the form of outgassing. Avoid this at all costs.
Between each step and also after priming, a thorough intermediate sanding is required using STF Sanding Pads RO/ETSC 125 Granat 1420, P 220 grit size or an additional roughening with the Sanding and Cleaning Pad 3694, green. Thoroughly dust the surfaces with a microfiber cloth.

Pot life (at +20°C)
Approx. 2 hours. Higher temperatures considerably reduce the pot life. After the pot life has ended, do not dilute the material again or continue to use it.

Consumption
Approx. 100–130 ml/m² per layer.
Determine the exact consumption by means of a test application on the object to be coated.

Application temperature
Best at +15°C. Do not apply if air or object temperature is below +8°C or above +25°C or at high humidity (≥ 80%).

Tool cleaning
Clean tools immediately after use with water and Universal Cleaner 1032.

Drying (+20°C, 65% relative humidity)

Dust dry after approx. 2 hours. Can be sanded and recoated after approx. 8 hours. Can be written on after one week at the earliest. Allow longer drying times at lower temperatures and/or higher air humidity.

Storage

Cool, dry, and frost-free between +5°C and +30°C in a well-ventilated area. Reseal opened, unmixed containers tightly.

Declaration

Product code

PU50.
Comply with the specifications in the current safety data sheet.

Coating build-up

Substrate preparation

The substrate must be solid, dry, clean, with good adhesiveness, load-bearing and free from separating agents. Prepare the substrate in accordance with the specific requirements. The surfaces must be filled in quality level Q4. See also VOB Part C, DIN 18363, Section 3.

Coating build-up

Glue the surfaces with Xtra Nonwoven 1725 or CreaGlas Nonwoven VG 4101 Magnetic. To achieve a very smooth, even surface, also apply a thin layer of Latex Plastic ELF 904 to the wallpapered areas before continuing with the further coating build up. Lightly sand surfaces with blocked pores prior to subsequent application. After sufficient drying, the prime coat is applied once or twice with 2K-Aqua EP Primer 2373, 3% thinned, followed by an intermediate and top coat with 2K-Aqua Whiteboard 2384. A sufficient drying time must be observed between the individual coats. Before each coat, a thorough intermediate sanding with STF Sanding Pads RO/ETSC 125 Granat 1420, grain P 220 or additional roughening with the Sanding and Cleaning Pad 3694, green, is required. Thoroughly dust the surfaces with a microfiber cloth. To produce the finest possible surface appearance, reroll the fresh coat with the Hydro Paint Roller 1288. We recommend creating test areas in advance to assess the surface.

Drying and writing

The created surfaces can be written on after drying for at least a week. The entire system build-up must have completely cured. The surfaces may only be written on using special whiteboard markers. The whiteboard markers must be stored horizontally. Neonboard markers, chalk markers and permanent markers are not suitable and must not be used.

Removing the writing

The whiteboard surfaces must be cleaned dry with a microfiber towel. For occasional thorough cleaning, we recommend using special whiteboard cleaner or Universal Cleaner 1032. For this, spray on the cleaner, allow to act for a short time and remove the writing with a microfiber towel. Wipe off the loosened dirt with clean, warm water and rub dry with a clean cloth.
Important note! Do not use dirty cloths. Do not allow the loosened residues of the writing to dry on.
Tip: When using the cleaner, spray it on to the microfiber towel to minimize the amount inhaled during spraying. Always follow the instructions for handling the relevant cleaner. Carry out cleaning tests beforehand. Faint residues may remain after cleaning.

Do not use household cleaners

Conventional household cleaners often contain silicone components and are not suitable for removing the writing. Over time, the silicone leaves a film of dirt on the whiteboard surface. This is difficult or impossible to remove without leaving a residue.

Coating build-up

System build-up for whiteboard surfaces

Substrates [1]	Filling pores [2]	Prime coat	Intermediate coat [3]	Top coat [3]
Glued Xtra Nonwoven 1725	with Latex Plastic ELF 904	2K-Aqua EP Primer 2373, 3% diluted	2K-Aqua Whiteboard 2384	2K-Aqua Whiteboard 2384
Glued CreaGlas Nonwoven VG 4101 Magnetic		Two prime coats, with 2K-Aqua EP Primer 2373, 3% diluted		

[1] Read and follow the instructions in the data sheet for the gluing the wall partitions to be used.
[2] To achieve a very smooth, even surface, apply a thin layer of Latex Plastic ELF 904 to the areas to fill the pores before continuing with the prime coat.
[3] Before continuing with the coating build-up, perform a thorough intermediate sanding with RO/ETSC 125 Granat 1420 sanding pads, grain size P 220 or additionally roughen with the Sanding and Cleaning Pad 3694, green. Remove any dust from surfaces with a microfiber cloth.

Notes

Proper ventilation — Ensure proper ventilation during application and drying indoors.

Do not use on horizontal surfaces exposed to moisture — Do not use on horizontal surfaces exposed to moisture.

Not for projection surfaces — Due to the high degree of gloss and the associated reflections, not suitable for creating projection surfaces.

Traces of substrate unevenness — Despite careful substrate preparation and filling to Q4 quality level, depending on light incidence any substrate unevenness can be seen.

Further information — Follow the instructions on the data sheets of the products used.

Remark

This data sheet is based on extensive development work and years of practical experience. The translation corresponds to the current German version, in compliance with the German laws, regulations, standards and guidelines. Its content does not constitute a contractual legal relationship. The user/buyer is not released from the responsibility of checking our products to ensure they are suitable for the intended application. In addition, our general terms of business apply.

When a new version of this data sheet with updated information is published, the previous version no longer applies. The current version is available on our website.

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