

# MagnetPaint – Technical Data Sheet

MagPaint Europe B.V.  
Riezenweg 2, 7071 PR Ulft, The Netherlands



## 1. Description

MagnetPaint is a high quality water based indoor wall paint based on an acrylic binder with a special ferro-magnetic component that gives high coverage and a dark grey colour. MagnetPaint is odourless, non-toxic and lead free. It can be applied easily and spatter-free, in several layers to create a wall on which magnets will stick. But the paint itself is not magnetic. MagnetPaint can be finished with any colour of paint or wallpaper. Finish it with a good wear-, impact- and scratch-resistant top layer for ultimate durability. Or use it in combination with our other products, like GreenscreenPaint, BlackboardPaint and SketchPaint.

**No / very few solvents.**

## 2. Equipment

MagnetPaint can be applied with a long- or short haired roller for water based wall paints. Or, when diluted with 20% water, it can be applied using Wagner XLVP spray technology. Clean your equipment with water directly after use.

## 3. Surface

The surface should be solid, clean, dry, and free of grease, dust and rust. Remove loose coats of paint and clean old coats of paint with a paint cleaner. Fill up any cracks and holes with a suitable filler and lightly sand the surface. Remove any fat, dirt and dust present with water and ammonia. If possible, sponge with clean water and let it dry well. Wallpaper to be painted must be firmly attached. MagnetPaint can be applied directly to wood and stone surfaces. For other surfaces, a suitable primer is advised.

## 4. Application

Stir the paint well, you might need a paint mixer due to settling of the heavy magnetic component. MagnetPaint should be applied at a temperature above +5°C and a relative humidity of maximum 80%. For three layers, the theoretical consumption is 2m<sup>2</sup>/L, the actual consumption depends on the state of the surface and the application method. Cover adjacent surfaces in advance. Apply MagnetPaint to the surface in small patches at a time, creating a smooth and even layer. Apply more MagnetPaint to your roller and repeat on a new patch until the entire surface is covered with a uniform layer of MagnetPaint. Lightly scuff up with a scouring pad in between every layer and brush off the dust. Do not use a wet cloth to remove dust. Another layer of MagnetPaint can be applied within 30 minutes, depending on the temperature and humidity. Wrap your roller in household foil during the drying breaks. More layers increase the magnetic strength. For an extra smooth result, the last layer can be applied heavily and smoothed with a putty knife, then sanded smooth after drying. Let MagnetPaint dry for at least 12 hours before applying a finish layer. MagnetPaint should be properly dried before it is coated with a finishing coat.

All suggestions and application instructions herein are based on our latest technical experience. Due to the wide variety of individual project conditions, we cannot be held responsible for their content. These instructions do not release the purchaser/applicator from his responsibility to determine the suitability of the product in consideration of the project characteristics. In case of queries please request our technical assistance.

SAFETY DATA SHEET AVAILABLE AT MAGPAINT EUROPE OR DOWNLOAD AT [WWW.MAGPAINT.COM](http://WWW.MAGPAINT.COM)

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## 5. Usage

24 hours after it is applied, MagnetPaint can be loaded with magnets. How much you can hang on the wall with a magnet depends not only the amount of layers, but also on the strength of the magnets. Also the weight and thickness of the object plays a role. The theoretical pulling force needed to remove a Ø29 mm Neodymium magnet from a fully applied system according to consumption is approx. 2400 N/m<sup>2</sup>. MagPaint offers a wide range of magnets varying in size and strength, as well as a line of Kids Magnets designed for children to play with on the wall.

## 6. Storage

MagnetPaint should be stored cool, dry, frost-free and in closed packaging. The shelf life in closed packaging is at least 36 months under the right storage conditions. Preferably use a package of MagnetPaint completely, this will benefit the magnetic power. Otherwise close properly after use. Perishable after opening.

## 7. Certifications

EU VOC limit value for this product (2004/42/EC, cat aWB, 2010): 30 g/L. MagnetPaint contains **0 g/L VOC**.

MagnetPaint is in conformity with EN 71-3 and ROHS.

Contains no substances classified as; carcinogenic, mutagenic, reprotoxic or classified with regard to environmental hazards, according to Regulation (EC) NO. 1272/2008.

MagnetPaint is free of formaldehyde, APEO, lead and asbestos.

Fire class is determined as follows: A2 – s1,d0

## 8. Specifications

<b>Commodity code:</b>	320910.
<b>Colour:</b>	Dark Grey, approximately RAL 7015.
<b>Sheen:</b>	Matt.
<b>Density:</b>	2,3 – 2,5 Kg/L.
<b>Layer Thickness:</b>	Approximately 83 µm in one layer, 250 µm in three layers.
<b>Consumption:</b>	Approximately 6m <sup>2</sup> /L for one layer, which is 2m <sup>2</sup> for three layers.
<b>Viscosity:</b>	Ready for use, dilute with 20% water for spray application.
<b>VOC:</b>	EU limit value for this product (2004/42/EC, cat aWB, 2010): 30 g/L. MagnetPaint contains 0 g/L VOC.
<b>Processing:</b>	>+5°C / <80% relative humidity.
<b>Next layer after:</b>	30 minutes.
<b>Finish after:</b>	12 hours.
<b>Ready to use after:</b>	24 hours.
<b>Units:</b>	0,5L - 1L - 2,5L - 5L.
<b>Shelf life:</b>	At least 36 months under the right storage conditions. Perishable after opening.

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