

## **WIGRANIT MagnetHaftFüller grey WIG/MHF**

### **Product description**

High-build two-pack primer with ferromagnetic effect. Suitable for the preparation of magnetic coats on conventional wood materials. The top coat can then be individually prepared with Zweihorn products. Ideally suitable for offices, shops, hotels, schools, kindergartens, or private environments, e.g. in kitchens, corridors, studies and everywhere you want to fix easily changeable information, drawings or diagrams by means of magnets.

### **Range of application**

WIGRANIT MagnetHaftFüller WIG/MHF is excellently suitable as primer coating on wooden materials such as Medium Density Fibre Board (MDF), particle board with priming foil. Due to its ferromagnetic properties, this product can be used to prepare surfaces on which commercially available magnets will adhere to.

With WIGRANIT MagnetHaftFüller WIG/MHF, components of every shape and contour can be coated seamlessly.

### **Surfaces**

All common woods and wood materials. With MDF boards for interior applications it is not necessary to apply a barrier primer. Only in case of wet-room applications Plastiklack S 7000 (hardened in a mixing ratio of 2:1 with S 7777) or WIGRANIT Isolierfüller WIG-IF (hardened by weight 5:1 or by volume 4:1 (paint/hardener) with S 8888) must be applied before. After drying, slightly sand with 220 grit paper.

The substrate can also be a Zweihorn paint system with solvent-based two-pack PUR products, which must have been thoroughly sanded with 240 grit paper before.

### **Preparation**

Sand and dust well.

### **Hardener**

PUR-Härter 5085

Mixing ratio (varnish/hardener):

**by volume 10:1**

**by weight 20:1**

Pot life: approx. 4 hours at 20°C and 65% rel. humidity

### **Thinner**

**not required**

If necessary, the following thinners can be used:

PUR-Verdünner S 9004 (for normal drying)

PUR-Verdünner S 9029 (for slow drying)

## Application

### Stir well before use.

**Always ensure the proper mixing ration (paint/hardener), see 'Hardener'.**

Due to its viscosity, WIGRANIT MagnetHaftFüller WIG/MHF is ready to use and must not be thinned. The product is applied three times with a wet film thickness of approximately 250 µm each time. Between the applications a drying time of at least 3 hours must be ensured. After drying, each coat must be lightly smoothed. For doing so, abrasive pads or sponges are sufficient. We do not recommend too thoroughly sanding until the surface is completely levelled, because too much material would be removed and the adherence of the magnets would be negatively affected.

### Application methods

Always keep a spraying distance of at least 20cm.

	High pressure / Low pressure	Airless/Airmix
Spray pressure (bar)	1.5 - 3.0	110 - 130
Nozzle size (mm)	2.0 - 2.5	0.33 - 0.38
Dilution (%)	-	-
Processing viscosity DIN-4 mm	approx. 25	approx. 25
Wet film thickness per application (µm)	250	250
Yield (m <sup>2</sup> /l)	3 - 4	3 - 4

The nozzle size and pressure values are guide numbers only and must be compared with the information given by the painting device manufacturer.

### Drying time (at room temperature 20°C)

dust-dry approx. 30 min.	touch-dry approx. 1.5 hours	sandable approx. 3 hours
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### Aftertreatment

#### System with solvent-based products:

After WIGRANIT MagnetHaftFüller WIG/MHF has been applied three times, after drying overnight and slight sanding with 240 grit paper, the classic colour paint system can be prepared with WIGRANIT-Füller WIG-IF, WIG/Fill or S 7850. After drying and thorough sanding, the coloured paint can be applied with WIGRANIT Buntlack WNC or WIG in the desired colour. Then the top coat can be applied with lightfast Zweihorn 2K-PUR Klarlack such as Crystallit and Purolit.

#### System with water-based products:

After WIGRANIT MagnetHaftFüller WIG/MHF has been applied three times, the minimum drying time is 8 hours. After slight sanding with 240 grit paper, the classic colour paint system can be prepared with Supercryl MDF-Isolierfüller WL-IF.

After drying and thorough sanding, the coloured paint can be applied with Supercryl Buntlack SCU or SCD in the desired colour. In the case of the coloured paint SCU, overpainting with waterborne clear varnishes Unocryl or Duocryl should be made within one working day without intermediate sanding. The two-pack coloured paint SCD should only be overpainted after drying overnight and after slight sanding.

## Product data

Batch size	5 kg
Viscosity at delivery	approx. 25 seconds
Shelf life in unopened original batches	approx. 1 year

Further information can be obtained from the label and the Safety Data Sheet 91/155/EWG, which you can download from the Internet under [www.zweihorn.com](http://www.zweihorn.com) or which you can request from us.

## Special notes

- The magnetic adhesion depends on the selected rate of application.  
**At least 3 paint films are required.** See 'Application'.
- The magnetic effect also depends on the used magnets and on the materials to be fixed. (e.g. size and weight of the paper)
- In order to familiarize yourself with the magnetic adhesion of different magnets, we strongly recommend to prepare a sample board.
- The surface should be at least one week old before it is used (before magnets are applied).
- Never drag the magnet over the surface in order to avoid scratches.  
Always lift the magnet and place it again.
- Do not process and dry the materials below 15°C.
- Each intermediate sanding should be done shortly before further processing.

Zweihorn products are produced for the professional user, who has a basic knowledge of the stockturn and the application of stains, varnishes, glazes and glues. The user information for our qualities given in the leaflets should be regarded as non-binding recommendations. They are based on our test series and experiences and should facilitate and promote the work of our clients. Any adjustment to the individual working conditions, which might be possible, lies within your responsibility. If in any doubt, our material experts as well as our application and laboratory technicians will try to help you as best as they can. We guarantee of course the impeccable quality of our products based on our General Sales and Delivery Conditions. All current technical data sheets are herewith voided.

The use of the final product lies entirely within the responsibility of the buyer. As long as we have not guaranteed in writing specific characteristics and suitability of the products for a contractually agreed purpose, any advice or information given regarding the application, even if the advice or information is given to the best of our knowledge, will be non-binding. Nor does it relieve the buyer, either from his own inspection, and if need be through a trial processing. Furthermore, we are only liable according to Chapter 1 of our General Conditions for advice either given or rejected, which does not refer to the characteristics and use of the delivered product.

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