

Media Datasheet RMC-WP

Roland Wall Print (“Fresco Material”)

Description:

RMC-WP-25- is a substrate backed by a protection paper, the product is a result of years of development, to make it possible to transfer Eco-Solvent printed designs on different surfaces without heating or extreme pressure. Perfectly suited for decorating indoor white walls, natural wood, stones, ...

Physical Properties:

Front material	Polyester treated banner
Backing paper	Coated paper
Ink	Eco-Sol Max inks
Target surfaces	Absorbable (*)

(*) Always check the absorption possibilities of the surface on which you would like to transfer the material. If you are not sure about the capabilities, we advice you to make a small test. If the primer penetrates well, the surface should be ok.

Product line:

	Length	Width
RMC-WP-25-610	25m	610mm
RMC-WP-25-1220	25m	1220mm

Typical Uses:

RMC-WP is developed for applications such as:

- Fresco's
- Difficult logo-designs or letter paintings on absorbable surfaces
- Floor graphics on natural stones and wood
- Furniture designs

Ideal for high value applications!

Benefits:

After years of development, Roland is proud to present a material which can offer:

- Real painted look-a-like wallpaintings
- Quick redecoration or restoration of old Fresco's
- Extremely durable quality
- High definition image prints
- High ink-capacity and good ink-fixation

Material processing and handling:

Install the material in the printer so that the protection paper is teared of the substrate

(B = polyester substrate / A = Protective paper)

- Switch off the vacuum power of the printer
- Printer heating 30°C
- Feed the printer with the material, with a margin of 10cm before starting the print job (this while the material is very thin and it needs enough weight, in order to prevent cockling of the material and protect the printhead)



- Use the special RMC-WP profile and print the image **in mirror position** (let the print dry for 12h)

How to transfer to your target surface?

1. Prepare the wall with white waterborne substrate rough and with water vapour permeability.

The product applied must dry 12 hours.

2. Apply 1 coat of transparent sealer (1-component acrylic or 2-component acryl-siloxanic sealer (Only on parquetry, wood and marble tables is a two components paint required).
3. After 15 minutes, wet the wall again with 2 coats of the same solution.
4. Place the transfer on the thoroughly wet wall: Use a wallpaper brush to evenly spread the transfer starting from the top side and then with a continuous smooth movement towards the bottom and sideways. The brush must be dry. If the transfer wrinkles, replace as quickly as possible. The wall can be dampened again while repositioning the transfer. Do not wet the external side of printed transfer during this operation. Once you have correctly placed the transfer (few seconds are enough), remove exceeding water and air between wall and paper. Use a soft rubber roller, usually used for wallpaper application. Movement must be from centre to sides and all water should be taken away.
5. Use the same primer to thoroughly wet the external side of the printed transfer (polyester banner) with a brush.
6. At this point use a dry, stiff brush and repeatedly "tap" the whole decoration so it perfectly adapts to the wall's surface.

Let this dry for 24 hours (minimum 12 hours).

7. Wet the printed polyester with clear water for 3-4 minutes. Remove the polyester banner softly from the wall.
8. Do not remove little water or air bubbles from the surface of the decoration. They will disappear when residual water will dry.

Let it dry for 3 - 6 hours.

9. Retouching is possible with Acrylics, Tempers and Aquarelle paints. After the retouched paint is dry, it can be fixed with the same Acryl-Siloxanic mixture.
 10. UV protection is related to the type of solvent inks used for printing and the chosen protection in stage 11.
 11. The Wall Print can be protected with the one- or two-component solution for indoor as well as outdoor use. Or you can use a transparent stain preferably with no water retention, compatible with the same siloxane, acrylic base products available various paint shops. Both can be painted on the transferred image after 4-5 hours from the removal of the polyester carrier. The transferred image will be scratchproof and waterproof.
- All components (Acrylic bonding, solvent inks, polymer coatings and at the end the Acrylic protection) are textures with water vapour permeability: this means that rain water and humidity will be retained in very small quantities and will be released when the microclimate of the surrounding becomes dry again.

For transfers on walls, you may never use paints or films that saturate the porosity of the transfer. The humidity could remain trapped in the film damaging the image.



Profiles

To achieve the best possible print quality, please make use of the profiles and settings developed by Roland DG. Profiles can be obtained **free of charge** from our certified dealer network or can be directly downloaded from:

<http://www.rolandmediacenter.eu>

It is imperative to set up the printer correctly and that the correct profile and heater settings are used. Do not handle the face film directly and ensure it is free from dust and static.

We advise you to leave the prints to dry sufficiently before rolling them or laying them on top of each other.

Recommendations

- Shelf Life

Two years when stored at 15°C to 25°C and 50% relative humidity (in the original Roland packaging).

- Printing Conditions

Air-conditioned printroom, ± 23°C and 50 % R.H.

- Transportation conditions

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Important

All Roland DG products are subject to careful quality control. Information on physical and chemical characteristics is based upon tests we believe to be reliable for West European exposure conditions. The values listed herein are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of this material to their specific use. All specifications are subject to change without prior notice. All technical data are subject to change. In case of any ambiguities or differences between the English version and version in any other language of these Conditions, the English version shall be controlling.

Warranty

Roland DG branded media are manufactured under careful quality control and are warranted to be free from defect in material and workmanship. Any material shown to our satisfaction to be defective at the time of sale will be replaced without charge. Our aggregate liability to the purchaser shall in no circumstances exceed the cost of the defective materials supplied. No salesman, representative or agent is authorized to give any guarantee, warranty or make any representation contrary to the foregoing. All Roland DG branded materials are sold subject to the above conditions, being part of our standard conditions of sale, a copy of which is available on request.

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