

19 December 2017 / V7

## PRODUCT DESCRIPTION

Earthcote Iron Paint contains iron filings, which when over-coated with Earthcote Rusting Agent, corrodes creating a rusty rustic aged finish.



## COLOUR RANGE

N/A

## PACKAGING

1 litre and 5 litre

## RECOMMENDED FOR

INTERIOR and EXTERIOR surfaces.

Commonly used on detailed cement plastered walls, pots, balustrades and light fittings.

It is important to remember this product is designed to rust and just as metal rusts so too will Earthcote Iron Paint. It will not last forever, especially outside – it is designed to corrode and age.

## NOT RECOMMENDED FOR

Not to be applied to structural steel or to any surfaces where the continued rusting effect could run onto adjoining finishes and discolour/stain them.

## APPLICATION

PLEASE NOTE: Correct preparation is essential. All surfaces must be sound and prepared in the recommended manner. For more information on surface preparation contact your closest Paintsmiths store.

## PRIMING

### Plastered/Masonry surfaces:

For new plaster, apply 1 coat of Midas Masonry Primer White, using a brush or roller at a spread rate of  $\pm 7\text{m}^2/\text{litre}$ . Allow to dry for approximately 12 hours.

For previously painted surfaces, spit prime all bare plaster with 1 coat of Midas Primer White. Allow to dry for approximately 12 hours.

Then apply 1 primer coat of Midas Roof Paint Black, using a brush or roller at a spread rate of  $\pm 5\text{m}^2/\text{litre}$ . Allow to dry for approximately 6 hours.

### Metal surfaces:

For new and previously painted metal surfaces, apply 1 coat of Midas Metal Etch Primer Black, using a brush or roller at a spread rate of  $\pm 9\text{m}^2/\text{litre}$ . Allow to dry for approximately 8 hours.

For previously painted metal surfaces, spit prime all bare metal with 1 coat of Midas Metal Etch Primer Black. Allow to dry for approximately 8 hours.

Then apply 1 primer coat of Midas Roof Paint Black, using a brush or roller at a spread rate of  $\pm 5\text{m}^2/\text{litre}$ . Allow to dry for approximately 6 hours.

## COATING

IMPORTANT: Ensure the Earthcote Iron Paint is thoroughly mixed before application to ensure adequate dispersion of the iron filings. If this is Not done, a consistent finish will not be achieved.

Apply the first coat of Earthcote Iron Paint using a Paintsmith's 50mm Utility brush in criss-cross strokes at a spread rate of  $\pm 4\text{m}^2/\text{litre}$  per coat. Allow to dry for approximately 2 hours. Then apply a second coat in the same manner as the first.

NOTE: When the second coat turns to a mottled semi-dry tacky finish (this takes between 5 and 15 minutes depending on weather conditions), begin to apply the Earthcote Rusting Agent as per the instructions below:

Apply the Earthcote Rusting Agent using a Paintsmith's 50mm Utility brush at a spread rate of  $2\text{m}^2/250\text{ml}$  working the solution into the semi-dry tacky Iron Paint. Work from the top down without stopping working in all the runs.

Remember when coating large areas not to underestimate the drying time of the Iron Paint.

If the Iron Paint is not tacky when applying the Rusting Agent the oxidation process is hindered and the maximum effect will not be achieved. Plan your work well.

## SEALING

Earthcote do not encourage the sealing of Iron Paint, as most sealer tend to negate its wonderful effect.

For normal sealing:

## ENVIRONMENTAL NOTE

Please note: Disposal of paint containers and/or contents other than in an approved manner may result in contamination of our water ways or the pollution of our environment. Do not clean equipment where water and solvents will enter storm water drains. Please dispose of unused paint and paint containers through an approved recycling scheme or seek advice from our local council about other accepted disposal methods. For more information on our environmental policies, enquire in store.

## VOC GREEN FILTER

The information herein provided is based upon our current theoretical compositions/calculations, and current data from our raw material suppliers.

We thus reserve the right to amend and correct when/if necessary.

## FOOTNOTE

The above information is intended as a guide only. Since this product is applied by 3rd parties, Midas Earthcote cannot be held liable for any loss or damage whatsoever relating to application or to the surface to which it is applied. Midas Earthcote reserves the right to make changes at any time, without notice.



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Apply 1 or 2 coats of Earthcote Colour Retaining Primer.

**For areas of high traffic and for a more durable finish:**

Apply 1 coat of Earthcote Colour Retaining Primer.

Then apply 2 coats of Earthcote. Water-based Twin Pack Acrithane.

Please refer to the relevant product data sheets for more detailed information on application.

The use of incorrect sealers will turn your beautiful Earthcote Iron Paint black.

## IMPORTANT INFORMATION AND HOW TO PREVENT PROBLEMS

**IMPORTANT:** Walls (cement plaster, concrete or masonry) must be dry before painting and should not exceed a moisture content of 10% as measured with a Protimeter Surveymaster Moisture Meter or equal. The ambient temperature must not be below 10°C and not higher than 35°C. Humidity must not be below 10% and not higher than 85%.

- Please remember, this is the real thing. Rust is not a paint effect and has all the inherent characteristics of a sheet of rusted metal.
- Not recommended for any surfaces where the continued rusting effect could run onto adjoining finishes and discolour/stain them.
- The more Rusting Agent you apply, the more aggressive the ageing process will be. It is up to the individuals' desired result as to how much Rusting Agent need to be applied per square meter. Experience tells us that approximately 1.5 litres of Rusting Agent is used for every 5 litres of Earthcote Iron Paint. The oxidisation or rusting process will begin to show after approximately 30 minutes and continue oxidising for approximately 12 hours. Using the Iron Paint externally will show far more aggressive rusting than internally. Remember pots, railings and furniture used externally will leave streaked rust marks on adjoining surfaces.
- A WORD OF CAUTION: Keep out of reach of children. Harmful if swallowed. Eye and hand protection is recommended when using Earthcote Iron Paint and Earthcote Rusting Agent.



## SPREAD RATES AT A GLANCE

### Primers

Midas Masonry Primer White:  $\pm 7\text{m}^2/\text{litre}$  (1 coat application)

Midas Metal Etch Primer Black:  $\pm 9\text{m}^2/\text{litre}$  (1 coat application)

Midas Roof Paint Black:  $\pm 5\text{m}^2/\text{litre}$  (1 coat application)

### Coating

Earthcote Iron Paint:  $\pm 4\text{m}^2/\text{litre}$  per coat (2 coat application)

Earthcote Rusting Agent:  $\pm 2\text{m}^2/\text{litre}$  per 250ml

NOTE: The spread rates quoted are approximate and should only be used as a guide as the actual rate will vary depending on the condition and porosity of the substrate.

## OVERCOATING TIMES AT A GLANCE

### Primers

Midas Masonry Primer White: 12 hours

Midas Metal Etch Primer Black: 8 hours

Midas Roof Paint Black: 6 hours

### Coating

Earthcote Iron Paint: 2 hours between coats, 15min before applying rusting agent

Earthcote Rusting Agent: Oxidises for 12 hours

NOTE: It is very important that over coating times, as set out for the various products, are adhered to and also that the prevailing weather conditions are taken into account. Ambient and substrate temperatures, humidity and wind etc. can influence drying times of all coatings. Performance problems can occur if any of the previous coats have not been allowed to dry properly before being overcoated.

**IMPORTANT:** To prevent surface contamination, coatings must not be left longer than 48 hours between coats. If environmental or weather conditions have caused surface contamination; all surfaces must be thoroughly washed down before applying the next coating.

## CLEANERS / SOLVENTS AT A GLANCE

### Primers

Midas Masonry Primer White: Mineral Turpentine

Midas Metal Etch Primer Black: Water

Midas Roof Paint Black: Water

### Coating

Earthcote Iron Paint: Water

Earthcote Rusting Agent: Water

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## TECHNICAL INFORMATION

<b>Viscosity</b>	100 - 105ku
<b>Specific Gravity</b>	1.65 g/ml +/- 0,05
<b>pH</b>	8.5 - 9
<b>Weight Solids Content</b>	52% (+/- 5%)
<b>Fineness of grind</b>	lump free
<b>Volume Solids Content</b>	19% (+/- 5%)
<b>Pigment Volume Concentration</b>	52% (+/- 5%)
<b>Spread Rate</b>	4m <sup>2</sup> /litre
<b>Dry Film Thickness</b>	47 microns
<b>Surface Dry</b>	< 1hrs
<b>Hard Dry</b>	< 2hrs
<b>Overcoat</b>	> 2hrs
<b>Sheen 20°</b> (on glass @ 100microns	matt
<b>Sheen 60°</b> wet film thickness	matt
<b>Sheen 85°</b> after 24hrs)	matt
<b>Diluent/Cleaning</b>	Water
<b>Application Temperatures</b>	> 10° < 35°
<b>Storage Temperatures</b>	> 5° < 35°
<b>Shelf Life in unopened containers</b>	12 months
<b>V O C</b>	Low VOC > 3 < 30 g/litre*
<b>Drying Mechanism</b>	water evaporation followed by coalescence
<b>Scrubs</b>	N/A
<b>Vehicle Type</b>	Pure Acrylic
<b>Pigment Type</b>	Ferrous metals
<b>Application</b>	brush



All tests are performed at 23°C and 50% relative humidity.  
Contact our Technical Department on 021 551 5570 should you require any further information.  
Safety Datasheets are available on request

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