

JOHNSTONE'S

Johnstone's Stormshield Self-Cleaning Masonry

APPLIER GUIDE

STORMSHIELD



Excellence
in paint
since **1890**

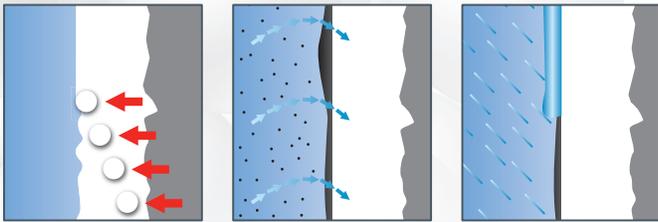
Anti ageing for exteriors

Using groundbreaking nanotechnology, Johnstone's innovative new Self-Cleaning Masonry can help exterior coatings stay cleaner and attractive for longer, leaving you safe in the knowledge that the finished job will retain that freshly decorated finish for years to come.

So how does it work?

To the naked eye, a surface coated in standard smooth masonry paint will look completely even and flat. However, viewed under a microscope, this surface is actually full of minute craters, which dirt and dust particles can easily adhere to. The dirt soon builds up, resulting in an unsightly dull and grimy appearance and before long, attempting to clean the exterior soon becomes a very big job!

Johnstone's Stormshield Self-Cleaning Masonry paint contains microscopic nano particles, which at one billionth of a metre are invisible to the human eye. It is these tiny particles that adhere to the surface, transforming the normal crater landscape into an extremely smooth finish that dust and dirt simply can't stick to.



01. The microscopic nano particles migrate to the surface of the coating.

02. This creates an extremely smooth finish that only small amounts of dirt can stick to.

03. Rain is attracted to the surface and thus washes off any dirt present on the surface.

However the extremely smooth surface created by Johnstone's Stormshield Self-Cleaning Masonry is only one part of a dual action process that makes this new coating stand out from anything else on the market today.

As well as utilising the latest technology, the nanometric painting system also harnesses a more natural force – rain. Whereas most



standard masonry products repel water, Johnstone's Stormshield Self-Cleaning Masonry works in the opposite way – it actually attracts water to its surface. Therefore any dirt particles that may be present will simply be washed away by the rain to leave a streak-free finish.

Not only is this amazing new exterior coating from Johnstone's Stormshield dirt resisting, it also maintains a flexible finish and comes with Johnstone's 15 years life expectancy.

In addition, this unique product also comes with the same benefits offered from a standard masonry coating:

- **Water Based – environmentally responsible and VOC compliant**
- **Application by brush or roller**
- **Touch dry in one hour**
- **Recoatable after 12 hours**
- **For application to exterior cement rendering, rough cast, brick and concrete.**
- **Less chalking**

So, for a clean conscience and a high-quality finish that will ensure complete customer satisfaction, why not try Johnstone's Stormshield Self-Cleaning Masonry on your next exterior project?

Testing

Perhaps the most important test for a Self-Cleaning product is to check that it delivers the one thing that makes it stand out from other masonry products on the market.

Throughout the product development process, Johnstone's needed something that accurately represented the airborne dirt and pollution that is attracted to exterior buildings. For this, a test using a carbon black dispersion was devised in order to represent a worst case scenario.

With just one application of the dispersion simply sprayed on to the coating and rinsed off with clean water, as can be seen from the images opposite, the results are extremely dramatic when compared with a competitor's standard smooth masonry.



Once the product had been developed, a more realistic approach to testing was required. The image below shows a panel coated in 8 different masonry products. This panel was exposed externally in China, well known for its heavy pollution. Both tests clearly show the Self-Cleaning properties of this unique new coating.



Panel following exposure in China for 12 months

Anti Carbonation

Johnstone's Self-Cleaning Masonry has undergone stringent anti-carbonation tests to successfully meet the standards of Class 1 of the EN ISO 7783-2 accreditation. Carbon dioxide is a major contributor to the decay of concrete structures as it can penetrate the concrete and damage any steel structure within. The use of anti-carbonation products such as Johnstone's new Self-Cleaning Masonry coating provide a protective barrier and are therefore ideally suited for use on car parks and other buildings in highly populated areas.

15 year guarantee

Following accelerated weathering tests, Johnstone's Stormshield Self-Cleaning Masonry has a guaranteed life expectancy of up to 15 years.

Product specifics

Self-Cleaning Masonry



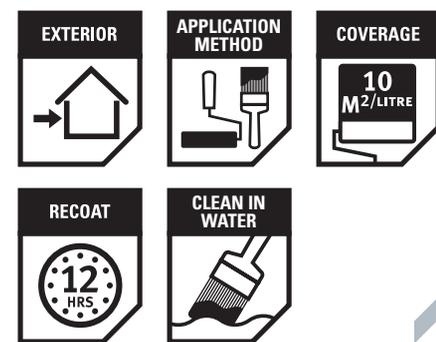
Available in:

5L & 10L
Brilliant White, Magnolia and over 6,000 colours via the Johnstone's Tinting system.

- Unique nano particle technology
- Flexible, dirt resisting smooth finish
- 15 years life expectancy
- Meets Class 1 of the EN ISO 7783-2 accreditation for anti carbonation

Ideal Usage:

Exterior cement rendering, rough cast, brick and concrete.



Complimentary products



01.



02.



03.

01. Johnstone's Flexible Primer Undercoat

02. Johnstone's Flexible Gloss

03. FatHog™ Duroc Synthetic Brushes

Sustainability Policy

PPG will market, distribute and manufacture products globally in a responsible manner that protects employees, neighbours, customers and the environment.

JOHNSTONE'S

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