Pristine Coatings

Specify Elite Airtight on Interior Block Walls

Achieve superior airtighness standards quickly and cost effectively

Concrete block walls can leak the air in a building at up to 80 cubic metres of air every hour through each square metre of surface, at that rate it won't take long for the air inside to escape from the building, resulting in increased heating costs & carbon emissions

We have developed Elite Airtight to provide a fast and economical solution to the problem. Not only does Elite Airtight improve the airtightness of the block walls from up to 80m^3/hour/M^2 down to less than 1m^3/hour/M^2, it is also fully washable for easy maintenance, it is available in white and can be tinted to most pastel colours, it can be left as an acceptable surface in any public or private areas, or it can be used to improve the airtightness of walls that will subsequently be dry lined or hidden by shopfittings etc. Elite Airtight+ is also available with silver ion antimicrobial additives, creating an antimicrobial surface that will last as long as the coating.

The alternatives:

Plastering - expensive, time consuming, slow drying, messy, requires painting.
Plasterboard - expensive, time consuming, not airtight, requires painting.
Parge coat - similar price, messy, poor quality surface, not washable.
Paint - similar price, not airtight unless many coats are applied (increasing the price), unattractive finish.
Bare block - no additional cost, not airtight, poor quality surface, unattractive finish, poor light reflectance.

Architects, specifiers and builders now have the option of specifying standard concrete blocks (where appropriate) for quick and economical construction projects together with an application of Elite Airtight and for the resultant walls to have a washable, decorative and airtight finish.

Elite Airtight is also ideal for use in refurbishment projects - making significant improvements to the airtightness of the building.

Elite Airtight is an inexpensive, smart investment - reducing heating & cooling costs in any building with exposed internal concrete blocks, whether previously painted or bare.

Don't waste energy heating up the block walls in your building, or losing the heat to the outside - keep the warm air where you want - inside the building.

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Other paint manufacturers don't quote the airtightness of their products, but this is becoming an important issue for architects and property owners who are concerned about heat loss through the fabric of the building and also have to meet Part L of the building regulations relating to the airtightness of their property. We are pleased to quote the test results of our sytem due to it's impressive performance.

Specification: To produce a surface on Blockwork that is airtight & washable (reducing heating & cooling costs).

Preparation:
Brush down the surface to remove dust.
Remove all traces of efflorescence.
Fill any large holes and voids with universal fillers.
Mask and protect any wall fittings, floors etc to protect from overspray.

Application:
Mix Elite Airtight thoroughly prior to application.
Preferred application method: high volume airless spray with a spray tip size of 21 thou. and a fan size of 12 inches, followed by back rollering with a medium pile masonry roller to fill perforations.
(Alternatively a squeegee can be used instead of a roller to work the coating into all perforations).

Application by Airless Spray:
Elite Airtight as an airtight finish on previously painted or bare block walls:
Apply 1st coat of Elite Airtight to entire surface overlapping each pass 50% to ensure uniformity.
Back roll or squeegee the entire wall working the coating into all the perforations.
When 1st coat is dry apply a mist coat of Elite Airtight to the entire surface overlapping each pass by 50% to ensure uniformity.
Spot roll or fill any remaining perforations, prior to starting cleanup works.

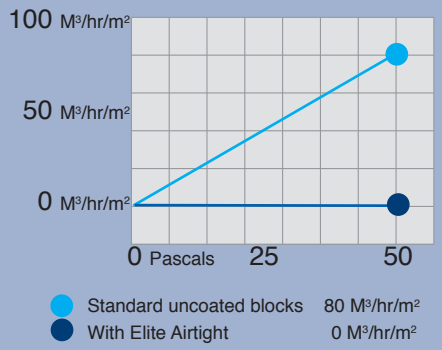
Clean up:
Clean spray equipment immediately with warm water
Remove any overspray or small spillages with warm water.
Remove all masking and protection from site to leave area ready for re-occupation.

Notes:
Elite Airtight can only be applied onto dry substrates:
Do not apply second coat and subsequent coats until the previous coat is completely dry, this can lead to the coating delaminating.
Ensure coating is applied over the complete surface.
Where possible, apply Elite Airtight prior to the installation of suspended ceilings and skirting's.
Always back roll or squeegee to fill perforations.
Always stir the product prior to application.
Do not thin the product prior to application.
Do not apply if the surface temperature is below 8ºC

Alternative application methods:
Standard brush and rolling techniques can be used as an alternative to spraying, however due to the high solid content of the basecoat more materials will be used, the project will take longer to complete and the application will be more labour intensive.

Drying times:
Touch dry: 2 Hours @ 18ºC
Recoat: 6 Hours @ 18ºC

Airtight testing of Elite Airtight on concrete blocks by an independent airtightness testing laboratory



The test was carried in accordance with BS EN 12114:2000 Thermal performance of buildings – Air permeability of building components and building elements

Elite Airtight was tested on standard hollow concrete blocks which allowed air at 80m³/hr/m² to pass through before application of the coating and "too low to detect" after application.

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