

1 Product Description

Perlata is a water-based, decorative wall coating specially formulated with pearlescent pigments to create an elegant finish with a subtle surface shimmer. Perlata is available in a wide range of colours which are suitable for both modern and classical interiors.



2 Properties

- Quick and easy to apply
- Economically priced to appeal to a variety of design requirements
- Supplied ready for use
- Can be tinted to a wide range of colours using a silver or gold base
- Perlata range also includes a preparative base coat, BaseColor Matt and a protective top coat, Clearseal Gloss
- Formulated to prevent mould, mildew and bacterial growth
- Low VOCs and low odour

Coverage Rate	Drying Time	Pack Sizes
Coverage rate: approximately 10 - 14 m ² per litre/coat. One 5 litre unit will cover approximately 30 m ² (300 ft ²) in 2 coats.	3 - 4 hours	5, 10 and 20 litres

3 Test Data

3.1 Scrub Resistance



The Perlata system (BaseColor Matt, Perlata PLS, Clearseal Gloss) was tested for wet scrub resistance according to ASTM D2486 "Standard Test Methods for Scrub Resistance of Wall Paints".

Test Method	Perlata	Perlata + Clearseal Gloss
ASTM D2486	1075 cycles	1925 cycles

Testing was carried out by an accredited testing laboratory.

3.2 Stain Resistance

The Perlata system (BaseColor Matt, Perlata PLS, Clearseal Gloss) was tested for Stain resistance according to ASTM D1308 "Standard Test Method for Effect of Household Chemicals on Clear and Pigmented Organic Finishes". Test carried out according to 15 minute open spot test.

Test Liquid	Perlata	Perlata + Clearseal Gloss
Coffee	4	4
Red Wine	1	2
Vinegar	5	5
Tomato Sauce	5	5
Mustard	2	4
Strawberry Preserve	5	5

1 = Poor 5 = Excellent

3.3 VOC Testing

A sample of Perlata PLS was tested for VOC following procedures outlined in ASTM D3960 "Standard Practice for Determining Volatile Organic Compound (VOC) Content of Paints and Related Coatings" and ISO 11890-2 "Paints and varnishes. Determination of volatile organic compound (VOC) content."



Test Method	Result	Comments
ASTM D3960	209 g/lit	US EPA requirement (<250g/lit)
ISO 11890-2	<100g/lit	EU limit for this product (Cat A/l): 300g/l (2007) / 200g/l (2010)

3.4 Anti-Microbial Preservation

3.4.1 Mold/Mildew Resistance



Samples were tested in accordance with; ASTM D 3273 – "Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber". ASTM D 3274 – "Standard Test Method for Evaluating Degree of Surface Disfigurement of Paint Films by Microbial (Fungal or Algal) Growth or Soil and Dirt Accumulation".

Plaster	Finish	Post Treatment	Front of Panel*	Back of Panel*
Perlata	PLS	-	10/10/10	10/10/10

*Rating system – 1 is very poor, 10 is no growth. Testing was carried out by an Accredited American testing laboratory.

3.4.2 Fungal, Algal and Bacterial Evaluation

Test Method	Result
Anti-Fungal Activity	No visible growth
Anti-Algal Activity	A
Anti-Bacterial - JIS Z 2801 E Coli MRSA Salmonella	No bacteria survived

3.5 Fire Test Results



Test Method	Result	Comments
ASTM E84	Class A	Perlata system tested (BaseColor - 1 coat, Perlata - 2 coats, Clearseal Gloss - 1 coat)
BS476 Part 6&7	Class 0	Perlata system tested (BaseColor 1 coat, Perlata 2 coats)

4 Limitations None supplied.

5 Preparation

5.1 New Surfaces

- Ensure all surfaces are sound, clean and suitably dry
- Dense or highly polished surfaces should be coated with an appropriate primer to promote effective adhesion
- Freshly plastered surfaces should be coated with a suitable sealer/consolidator (eg. Dulux Plaster Sealer).
- Porous surfaces should be primed with a mist coat of BaseColor Matt thinned with up to 20% clean water
- Leave to dry

5.2 Previously Decorated Surfaces

- Ensure all surfaces are sound, clean and suitably dry
- Remove any loose or flaking material back to a sound firm edge
- Treat any organic growth with a fungicidal wash
- Fill any holes, cracks or surface defects
- Surfaces that exhibit high sheen levels should be wet abraded to provide a key

- Wash down sound paintwork with warm water and an appropriate cleaning agent to remove any contaminants
- Rinse surfaces with clean water to remove any residues
- Spot prime any bare or filled areas with a mist coat of BaseColor Matt or an appropriate primer as necessary
- Leave to dry

6 Health and Safety

Perlata is a non-toxic water-based product. Ensure good ventilation during application and drying. Avoid contact with skin and eyes. Keep out of reach of children.

Please refer to the Safety Data Sheet for further information.

7 Storage

Store in good dry conditions between 5 – 25°C. Protect from frost. Protect from sunlight and sources of direct heat. Keep container sealed when not in use.

Shelf life of Perlata in an unopened container under correct storage condition is 12 months from date of manufacture.

8 Care & Maintenance

8.1 Cleaning Surface Dirt and Grime

Mix a small quantity of liquid detergent or soap into a bucket of clean water. Work from top to bottom of dirty area using a well-soaked soft cloth, sponge, very soft bristle brush or low pressure garden mist sprayer. Do not use scouring pads, industrial strength cleaners or solvents, since these may damage the surface finish.

Do not allow cleaning solution to dry on the wall. Where possible blot the wall dry with an absorbent towel or sponge. ArmourColor decorative coatings will be unaffected by mild detergents but may soften slightly with prolonged cleaning.

It is recommended that a small area is test cleaned to check for a satisfactory result.

8.2 Damage and Repairs

ArmourColor decorative coatings are tough and durable coatings, but can be damaged. In the event of damage please contact the installer for technical assistance and instructions.

Whilst every attempt has been made to ensure the accuracy and reliability of the information contained in this document, the information should not be relied upon as a substitute for formal advice. Muralplast Ltd, its employees and agents will not be liable for any loss or damage, of any kind, arising out of or in connection with the use of this document. Please refer to the company disclaimer for further details.

