



## 1. Introduction

Arrcoat's Perline is a two-coat texture paint with real Pearl-Dust blended finely into a liquid-based texture paint. This material is composed of natural materials that use the shine of pearl and the density of dolomite to give out a shine that doesn't fade. This material, when used in the right direction, can give various dual-shade effects on a wall. You can make striations with it, or use it to give a traditional cloud-like design with a trowel. The product is flexible for various types of looks and finishes. Try our two types PLG & PLS for various color combinations.

## 2. Properties

- › Natural mineral material
- › Contains no amount of VOC
- › Contains Real Pearl Dust
- › Best before 1 year from the date of manufacture
- › A wide range of finishes is achievable
- › Any color, tone, or shade available
- › Excellent workability in a wide range of site conditions
- › Liquid-based texture paint material
- › Completely non-combustible as supplied or when applied

## 3 Test Data

### 3.1 Scrub Resistance

Arrcoat\* Perline was tested for wet scrub resistance according to ASTM D2486 "Standard Test Methods for Scrub Resistance of Wall Paints".

Test Method	Perline	Aqua Wax
ASTM D2486	1,265 Cycles	2,292 Cycles

### 3.2 Stain Resistance

Perline (PLS, PLG) 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. 1 = Poor 5 = Excellent

Tea/Coffee (4)	Green Chutney (4)	Food Stain (4)
Tomato Sauce (5)	Oil Stain (3)	Alcohol Stain (5)

### 3.3 Mould Resistance Test

ASTM D 3273 – "Standard Test Method for Resistance to Growth of Mould on the Surface of Interior Coatings in an Environmental Chamber".

Coating	Front of Panel	Back of Panel
Perline	10-10-10	10-10-10

### Anti Fungal/Bacterial/Algal Test

Test Method	Results	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.
Anti-Fungal Activity	Nothing Observed	
Anti-Algal Activity	Nothing Observed	

### 3.5 Fire Testing

Test Method	Results	Comments
ASTM E84	Class A	Highly Fire Retarded
BS 476 Part 6&7	Class 0	Will Protect Surface

## Mechanical Testing - (Building Material)

Sr. No.	Tests	Result	Test Method
1	Compressive Strength, (N/mm <sup>2</sup> ) 28 Days	18	ASTM-C-109
2	Flexural Strength, N/mm <sup>2</sup> 28 Days	6	ASTM C-S80
3	Water Retention Test, %	93.8	IS: 2250
4	Water Powder Ratio	0.48	-----

# As furnished by customer.

Sr. No.	Tests	Result	Test Method
1	VOC Content, gm/Ltr.	Nil	ASTM D-3960
2	Tensile Adhesion Strength, N/mm <sup>2</sup>	1.62	IS: 15477-2004

Note: The above test was facilitated from an external laboratory.

## 4 Health and Safety

Arrcoat Perline is a liquid-based product. Safety gloves are advisable to be worn when mixing or handling the product. The product contains hydrated lime and pearl dust that will act as an irritant. Wear protective clothing, gloves, and eye protection, if necessary. No need of worrying in case of direct contact, easily washable material. Do not swallow the material. Keep away from children under 13.

## 5 Suitable Substrates

Arrcoat Perline can be applied to Arrcoat recommended substrates which should be firm and true and will not crack. In our experience, the best substrates to work onto are taped and jointed plaster board and freshly plastered walls that are fully dry.



# PERLINE

Technical Data Sheet (TDS)



- › Never attempt to apply Arrcoat Perline over wallpaper or lining paper. Great care should be taken on surfaces that are already decorated.
- › Arrcoat Perline can be applied to existing painted surfaces provided the paint has well adhered to the wall.
- › A flat or true substrate is vital to achieving high-quality results as any bumps or imperfections may show up in the finished surface.

## 5 Mixing Instructions

Arrcoat's Perline comes in premixed buckets of 5 Litres with a color code of the preference ordered by the dealer/distributor. If the bucket does not contain any color please contact the technical team and ask for the formulation with the suggested tints, then the following is applicable, read on to understand the procedure.

- › Follow the formulation instruction given to you by the color and tint team of Arrcoat. Ideally, Arrcoat's authorized tints and colors are to be used for the best effect for color achievability.
- › Mix the pigment into the 5-liter bucket directly as per instructions. If you are using an automatic color machine, make sure the right instructions are used.
- › Use a mixing machine for the mixing of the color. Make sure you're getting an even color distribution throughout the contents of the bucket for the perfect blend.
- › Leave the material to stand for 5-10 minutes and then mix once again before applying to the wall.

High pigment loading and excessive mixing can lead to the entrapment of micro-fine air bubbles in the material which will reduce its density and hardness and in extreme cases lead to blistering and delamination of the product.

## 6 Application Instructions

- › Mix and apply Arrcoat's Perline base coat over a layer of any normal primer. You can use a roller for this as you need to get as even a surface as possible for your base coat.
- › You can scrape over any excess base coat to remove any small lumps or trowel lines paying special attention at the corners of the interface with other surfaces.
- › You want to ideally give the base coat at least 20-30 minutes to dry and completely stick to the surface before you get on to the final coat. Peel any dust particle if you identify any with the use of a scrapper.
- › For the final coat, use a roller or a trowel again all over the surface evenly covering every area.
- › Now for the finishing, using a Perline trowel provided by Arrcoat start gently revolving the top coat of Perline into a cloudy or large concentric circle all over the surface. Once you understand the directional flow of the product, you will start giving it your own desired look and owing to the flexibility of this product you can further enhance the feel of the surface with a quick play on light.



## 7 Coverage Rates

Arrcoat Polished Plaster is supplied in 5 Litres Buckets.  
Coverage rates:~ 300-350 SQFT per 5 litre bucket.  
Coverage also depends on undulation and prior condition of the wall.

## 8 Storage

Store Arrcoat Perline in good dry conditions between 5 C – 35C. The shelf life of Arrcoat Perline in un-opened original packaging under correct storage conditions is 12 months from the date of manufacture.



For BUREAU VERITAS (INDIA) PRIVATE LIMITED  
Construction Services Laboratory



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For Arrcoat Surface Textures Pvt. Ltd.

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