

Product Name	<p>PyroNanoguard (Fire Retardant Paint)</p> <p>PyroNanoguard is manufactured based on a modern technological line, incorporating Nano Silica from rice husks into the product to create a durable protective film, able to withstand harsh conditions up to 700°C. In addition to the typical fireproof feature, the paint is also resistant to UV rays, anti-moss, and self-cleaning, helping to keep the project looking new and beautiful for a long time.</p>
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Product Description	<p>PyroNanoguard is a 1-component water-based fireproof paint made of Nano Silica particles from rice husks, creating a transparent paint product with a beautiful glossy surface that enhances aesthetics while preserving the original texture of the material. This innovative product exhibits excellent adhesion on various surfaces including iron, steel, concrete, wood, and plastic. With almost 0 VOC emissions, it stands as an environmentally friendly and safe option for users.</p>
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The Element	<ul style="list-style-type: none"> a. Colour: Transparent Colour b. Adhesives: Nano colloidal particles from rice husks c. Touch Dry: 60 Minutes d. Hard Dry: 10 Hours <p>**Drying time is based on normal temperature from 25°C - 35°C minimum</p> <p><i>Note: Actual outdoor temperature measured at the time of construction must not be below 15°C. Drying time depends on ventilation when drying paint.</i></p> <ul style="list-style-type: none"> e. Paint film thickness when dry: 50 – 60 µm per layer f. Recommended number of coats: 2 – 6 layers g. Expiry: 24 months
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Application Method	<ul style="list-style-type: none"> a. For brushes/ rollers: Wash Brushes and rollers before painting. b. For paint spray guns: Clean the paint spray gun before use.
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Specification	Checklist	Specifications
	Colour	Transparent
	Viscosity	70-80
	Proportion	1 – 1.3
	Glossiness	Shiny
	pH	8-9
	Product Features	As a decorative and protective (fireproof) surface coating.

Smart Coatings by:

NanoViz Sdn. Bhd.

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46050 Petaling Jaya, Selangor, Malaysia.

TECHNICAL DATA SHEET



Construction Instruction	Step 1: Need to clean off grease, dirt, moss, and mold before painting Step 2: Stir the paint thoroughly with specialized stirring equipment before applying, ensuring a uniform paint mixture Step 3: Apply each layer 2-3 hours apart.
Theoretical Norms	1Kg = 1 m2 - 1.5 m2 (heat resistant > 700°C for 3 hours - 4 hours) 1Kg = 2 m2 - 2.5 m2 (heat resistant > 700°C for 1 hour - 2 hours)
Packing	15 litres & 5 litres
Recommended when painting	The recommended number of coats and film thickness should be applied to achieve optimal protection.
Safety Preparation	It is necessary to clean oil and grease on the surface to be applied
Safety Precautions	Ensure good ventilation during construction. When painting, wear glasses and protective clothing. Paint must be stored in a cool place. When not fully used, cover tightly to avoid damaging the paint texture.

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