

## Product Description:

**Pumadur PAS Clear** is a two-component, solvent-free, polyaspartic floor coating. **Pumadur PAS Clear** provides a UV-resistant, tough, hard wearing coating for use over decorative flake or quartz broadcast systems. **Pumadur PAS Clear** is very fast curing to allow a quick return to service.

## Appearance:

Clear, high gloss finish.

## Typical Uses:

As a seal coat on highly decorative flooring systems including **Intrica Fusion**, **Intrica Glitterati** and **Intrica Illumnia**.

## Features & Benefits:

- Fast cure: Ultra-quick return to service.
- 100% solids: VOC free.
- Excellent UV resistance.
- Highly transparent.
- Low viscosity.
- Easy to clean, gloss finish.
- Extremely durable & impermeable.

## Thickness:

200.0 – 250.0 microns per coat.

## Coverage:

3.6 to 4.5 m<sup>2</sup> per kg will produce a film thickness of 200.0 to 250.0 microns.

On textured surfaces such as 0.4 to 0.8 mm coloured quartz, typical coverage rates of 2.0 to 3.0 m<sup>2</sup> per kg may be expected.

Do not apply at thicknesses greater than 250.0 microns as these films will take significantly longer to through cure.

## Health & Safety:

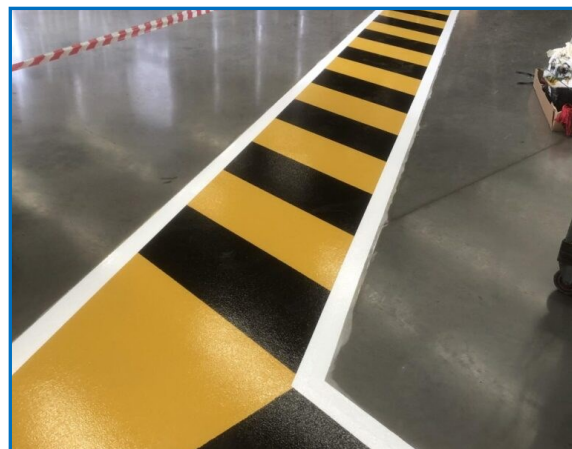
Refer to product Safety Data Sheet before use.

## Technical Advice:

For further information on this or any other Resdev product, please contact our office.

## Surface Preparation:

The surface to be coated must be clean, dry and free from oil, grease, dust and loose material or any other contamination that may impair adhesion or wetting out.



Remove excess flakes or aggregates from the surface by sweeping followed by vacuum. The use of light sanding is recommended for flakes to remove flakes standing proud.

## Application Conditions:

**Pumadur PAS Clear** may be applied between 5 °C and 30 °C. However, for best results, substrate and air temperature should be in the range 15 °C to 25 °C otherwise workability and cure rate may be impaired. Localised heating or cooling equipment may be required outside this range to achieve ideal temperature conditions. To reduce the risk of “blooming” or poor inter-coat adhesion caused by condensation, the climate above the uncured floor and the substrate should be maintained at least 3 °C above the dew point during application and curing.

## Mixing & Application:

Materials should be conditioned at 15 °C to 25 °C for 24 hours prior to use. Pre-mix the resin component as there will be slight settlement in the bottom of the container. Add the hardener component to the resin component and mix using a low speed electric mixer (300 - 500 rpm) fitted with a suitably sized Jiffy-style paddle for at least 3 minutes until homogeneous.

Keep the mixing head fully submerged to avoid air entrainment. Use a straight edged spatula to scrape the sides and bottom of the mixing vessel several times as unmixed material will result in uncured patches in the final finish. Do not add solvent/ thinners to the product. Mixed material must be used immediately. Squeegee and then back-roll to provide a uniform film of 200.0 to 250.0 microns and avoid pooling. Use a cross-rolling technique to ensure even coverage.

If required, repeat the procedure for a second coat. Edges and difficult to reach areas may be applied by brush.

Plan the work area to maintain a wet edge and work within the working time of the material.

Due to the rapid cure, roller sleeves should be changed regularly.

## EU Directive 2004/42/EC:

Complies with category j type SB (< 500 g/l).

## Limitations:

Do not proceed with application if atmospheric relative humidity is, or is anticipated to be >85% or if the surface or atmospheric temperature is <3 °C above the dew point. Application should not commence when the substrate temperature or the ambient temperature is, or is anticipated to be <5 °C during the application or within the curing period.

PRODUCT INFORMATION	
Chemical Type	Clear aliphatic polyaspartic
Packaging	<b>Unit Size:</b> <b>2.50kg:</b> <b>5.00kg:</b> Resin:                    1.46kg                    2.92kg Hardener:               1.04kg                    2.08kg
Shelf life	Resin & Hardener:    12 Months
Storage conditions	<b>Pumadur PAS Clear</b> must be stored off the ground in original packaging, unopened and undamaged. The ambient conditions must be dry and between 10°C and 30°C with no direct sunlight. Protect from frost.

APPLICATION INFORMATION	
Mixing Ratio	MIX FULL UNITS
Consumption (m <sup>2</sup> per kg)	Smooth surface: 3.6 to 4.5 m <sup>2</sup> /kg at 200.0 to 250.0 microns. Textured surface: 2.0 to 3.0 m <sup>2</sup> /kg at 200.0 to 250.0 microns.
Environmental Conditions	Air Temp                    +15°C to 25°C Relative air humidity    <85% Dew Point                   >3°C above
Substrate Temperature	+15°C to 25°C
Substrate Moisture Content	Substrate relative humidity (RH): <75% Concrete must have a tensile strength: >1.5 N/mm <sup>2</sup>
Pot life (approx.)	+10°C                    25 minutes +20°C                    15 minutes +30°C                    10 minutes
Curing Schedule 20°C	Over Coating Time                    2 hours Light Pedestrian Traffic               4 hours Light Wheeled Traffic                Above 24 hours Full Chemical Resistance            Above 3 days

## SERVICE CONDITIONS

<b>Cleaning:</b>	Tools and equipment should be cleaned whilst the resin is still wet using <b>Pumasolve</b> .
<b>General Maintenance:</b>	<b>Pumadur PAS Clear</b> can be easily cleaned using industry standard cleaning chemicals and techniques designed for synthetic resin flooring. Test cleaning agents prior to use.

## TECHNICAL INFORMATION \*

<b>Adhesive strength to concrete</b>	BS EN 13892-8	>2.0 N/mm <sup>2</sup>
<b>FeRFA Floor Type</b>	BS 8204-6	Type 3
<b>Impact Resistance</b>	BS EN ISO 6272-1	4.0 Nm
<b>Abrasion Resistance</b>	BS EN 13892-4	AR 0.5
<b>Shore D Hardness</b>		67

\*The typical physical properties given above are derived from testing in a controlled laboratory environment. In the field results may vary due to site conditions.

## APPROVALS & STANDARDS

Synthetic Resin Screed material according to EN 13813:2002

Note: The information contained in this document, and all further technical advice is given based on our present knowledge and experience. However it implies no liability or legal responsibility on our part. In particular, no warranty or guarantee of product performance in the legal sense is intended or implied as the conditions of use and the competence of any labour involved in the application is beyond our control. Properties listed are for guidance purposed only. We reserve the right to make any changes according to technological progress or further developments.

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CE		13	DOP RV0083
<b>EN 13813 SR-B2,0-AR0,5-IR4</b> <b>Synthetic resin screed material for use internally in buildings</b> <b>not subject to reaction to fire regulations</b>			
Reaction to fire:	E <sub>s</sub> <sup>(1)</sup>	Impact resistance:	IR4
Release of corrosive substances :	SR	Sound insulation:	NPD
Water permeability:	NPD	Sound absorption:	NPD
Wear resistance:	AR0,5	Thermal resistance:	NPD
Bond strength:	B2,0	Chemical resistance:	NPD