



Features

With stunning looks and excellent water draining characteristics, Novasol floors are strong and flexible which allows them to be cast in large seamless panels. These are applied on site by approved applicators.

Novasol floors have certain unique beneficial characteristics as follows:

Immediate Drainage: Floors drain quickly with a flow range between 30 to 70 litres per second per square metre. As a result, if the base drainage is proper, there are never any puddles and always a dry surface is available to walk on.

Bespoke Floorings: Aesthetically pleasing bespoke flooring can be made in patterns and combinations required, ensuring unique floor surface for your projects.

Good Heat Reflectance: The system has good heat reflectance and the trapped air between aggregates ensures good thermal insulation, making it an ideal covering for waterproofed terraces and podiums.

UV Resistant: Novasol is offered only in the UV resistant variety as a standard, thereby ensuring that there will be no yellowing, ageing or softening of the floor under years of exposure to sunlight.

Quick Laying: The flooring system enables quick laying, and the floor is open to foot traffic in 24 hours after laying. Full cure can happen over 3–4 days.

Good Skid Resistance: The Novasol system offers good skid resistance and so enhanced comfort during walking.

Low Maintenance: Very low maintenance is required and Novasol floors can be typically cleaned by water hosing, and if required, gentle scrubbing.

Key features include:



Fast Draining
Dry usable surface



Slight Flexibility in Material
Less cracks | Large panel sizes



Thin Layer Application
Environment friendly



Extensively Tested at Factory
Quality assured



High Consistency of Material
Peace of mind



No Contamination
Better performance

Application

Novasol is suitable for pedestrian usage and light vehicular traffic, and ideal for use on swimming pool decks, garden walkways, terraces etc.

Appearance

Material is supplied in three parts. Novasol UVR Part A (resin) is liquid and Novasol UVR Part B (hardener) is coloured liquid. Part C is aggregates.

Specifications

| Min. Aggregate Size | Max. Aggregate Size | Flexure Strength |
|---|-------------------------|--------------------------|
| 2-3 mm | 8–10 mm. | >2 N/mm ² |
| Compressive Strength | Wet Density | Output/Coverage |
| >5 N/mm ² | ~2000 kg/m ³ | ~2 kg /mm/m ² |
| Work Time | | |
| Around 20–30 minutes to work each mixture, in summer this can reduce down to 10 minutes. Mix only as much material as will be consumed with the time frame. | | |

Application Thickness

Minimum 10 mm

Base Surface Preparation

Novasol floors can be laid on existing stone, tile, asphalt or concrete flooring.

A clean hard and dry subbase is required for the installation of the NOVASOL floors. The floors will allow almost all water to pass through. So adequate drainage and water proofing measures as applicable for the floor need to be planned and provided.

All cracks are to be widened into a “V” shape with a stone saw. The cracks can be in filled with a resin based crack repair kit.

At this stage any recessed manhole, water tap lids and gullies need to be raised to allow for the thickness of your resin mixture.

Before the installation starts you will also need to cover the leading edge of any adjacent flooring with duct tape to prevent contamination during the installation.

If installing onto a concrete based product then a suitable FreeForm Primer should be rolled over the surface.

Application/Installation Method

Please refer to separate sheet for guidance on application method.

Open to Traffic

After installation, the final surface will be cured within 24 hours to walk on. The end user should wait 3–4 days to put a vehicle on the driveway.

Packing

Novasol UVR Part A (resin)-3.5 kg + Novasol UVR Part B (hardener) 3.5 kg and 100 kg aggregates.

Shelf Life

3 months from date of packing before opening. Use within few hours of opening. Store carefully away from dampness and moisture.

Green Certification



This product is GreenPro Certified and qualifies as Green Product by CII- Green products and services council

Technical Support

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Disclaimer

Any recommendations for application techniques are based on experiences. It is advisable to adapt processing techniques and material quantities to the given local conditions and we refer in this context to our general terms of sale and delivery. Hairline crack formation or deformation by shrinkage on principle cannot be excluded with the offered system and thus are not considered as technical defect. Coloured products are exclusively produced from natural raw materials. Thus, colour deviations cannot be excluded. The printed colour may deviate from the original colour shade. Test areas are strongly recommended before usage/execution in larger areas.

Health Precautions

Avoid contact with eye and skin. Avoid inhalation. Wear appropriate protection for eyes, face, hands and legs. Work only in well ventilated areas.

For Part A or B, if contact with eye,

- Rinse immediately with plenty of water. Remove contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists for more than 15 minutes. Check with us for safety data sheet.
- In event of inhalation- Move affected person to fresh air at once.
- In event of ingestion- Do not induce vomiting. Get medical help immediately.
- In event of skin contact, remove clothing and wash with soap and water.

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