Technical Data Sheet

# Peran STC

## Peran STC

30-10-2026 / V 1

## Description

Peran STC is a two component, solvent-free, epoxy based binder designed for high-performance flooring systems.




## Features and Benefits

- Good water-spotting resistance after only 24 hours of curing (in +20 °C)
- Crystallisation-free
- High chemical and mechanical resistance

## Usage Purpose

As primer, binder and topcoat, primarily in systems with decorative aggregates and flakes such as Peran STB Compact or Peran PGF Floor Flakes.

## Packaging

The product is delivered as A+B in the following packs:

Unit 12 kg (10.9 liters) - Part A: 8 kg, Part B: 4 kg
Unit 24 kg (21.8 liters)- Part A: 16 kg, Part B: 8 kg
Unit 144 kg (130.9 liters) - Part A: 96 kg, Part B: 48 kg
Unit 600 kg (545.4 liters)- Part A: 400 (2x200) kg, Part B: 200 kg
Unit 900 kg (817.5 liters) - Part A: 600 (3x200) kg, Part B: 300 kg
Unit 1500 kg (1304 liters) - Part A: 1000 kg, Part B: 500 kg
Unit 3000 kg (2608 liters )- Part A: 2000 (2x1000) kg, Part B: 1000 kg

Part A = Peran STC A
Part B = Peran STC/TCW/LVS B

## Available Colour

Clear

## Shelf Life

24 months from manufacture day (on the package) when stored in the original, unopened pack.

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## Storage

Store in dry area, in unopened, original containers in temperatures +5 °C to +40 °C. Protected from freezing, out of direct sunlight, moisture or contaminant ingress.

## Certificates & Approvals

CE according to EN 13813 (when used as part of complete system)

## Technical Characteristics

| | | |
|---|---|---|
| Appearance | | A: Clear liquid<br>B: Clear liquid |
| Mixing Proportions | A / B | 2 / 1 by weight<br>1.7 / 1 by volume |
| Mixed Density | EN ISO 2811 | ~ 1.10 g/cm³ |
| Solid Content | | ~100 % |
| Pot Life In +20°C | | ~30 min |
| Curing Time In +20°C | | Touch dry: after 6 hours<br>Light foot traffic: after 15 hours<br>Full cure: after 5-7 days |
| Overcoat Interval in +20°C | | 15 - 24 hours |
| **Application Conditions** | | |
| Ambient Temperature Range | | +15°C to +25°C |
| Substrate Temperature Range | | +10°C to +25°C |
| Substrate Relative Humidity | | < 5% (TRAMEX scale or 85% RH BS 8203) |

## Application Conditions - Additional

To ensure the best application of material it is recommended to pre-condition the containers for at least 24 hours in +15°C to +25°C prior to application.

When used in these conditions and temperature range, the resin flow is optimised resulting in the optimal material consumption rates.

During application and initial curing of the product, substrate temperature needs to be maintain above 3°C higher than dew point temperature. Do not allow ambient temperature to drop below +5°C during first 24 hours after application. High humidity in the early stages of cure can result in white, matt surfaces (blooming).

## Substrate Preparation

Substrates must be dry, clean, free of laitance and other contaminants that could reduce bond strength of applied coatings. Surface should be prepared by mechanical means – e.g. by shotblasting, grinding, milling etc. All cracks and floor damage must be repaired before installation of flooring.
Detailed requirements for substrate and other application conditions can be found in Substrate Requirements for Flowcrete Floor Systems.

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## Mixing

Stir Part A before adding Part B. Carefully empty Part B into Part A. Mix using a low-speed mixer and helical spinner and ensure that the material is thoroughly mixed, taking care not to entrain air. Finally pour the material into another container and mix for a further minute before application.
For detailed mixing instructions when using aggregate systems, see detailed information in individual Specification/Application/Instruction Guide.
For further information contact our Technical Department.

## Application

As a primer:
Pour mixed material onto the substrate in stripes and distribute with rubber squeegee, followed by evening out using a medium-pile, nylon paint roller.
Make sure that cured layer is continuous, without dry patches and free from pinholes. Porous substrates might require more than one priming coat.
For detailed application instructions when using aggregate systems, see detailed information in individual Specification/Application/Instruction Guide.

## Coverage

As primer: ~0.30 to 0.50 kg/m² (depending on substrate porosity)

## Tool Cleaning

Uncured material can be cleaned using solvent (acetone, xylene), cured remains can be removed only by mechanical means.

## Guarantee / Warranty

Tremco CPG UK Ltd products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with Tremco CPG UK Ltd written instructions and (b) in any application recommended by Tremco CPG UK Ltd, but which is proved to be defective, will be replaced free of charge. No liability can be accepted for the information provided in this leaflet although it is published in good faith and believed to be correct.

Tremco CPG UK Limited reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.

## Health And Safety Precautions

Safety data sheet must be read and understood before use.

## Technical Service

Tremco CPG UK Limited has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Services on 01942 251400.

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for the world at your feet

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