

Peran STB



A durable, industrial flooring system consisting of coloured quartz granules encapsulated in a clear resin binder.



The applied colours may differ from the examples shown. For a full colour chart and samples, contact your local Flowcrete office.



Peran STB Color marking method:
The first digit in the color number is the size of the sand.
Each color is available in 3 sizes of sand. Sand no. 5 - size about 1.2 mm, sand No. 8 - size about 0.8 mm. For example, the Peran STB in Grey 5100 contains sand no. 5 and the Peran STB in Grey 7100 - sand no. 7.

Technical Information¹

| | |
|--|---------------|
| REACTION TO FIRE | |
| B _n -s1 | EN 13501-1 |
| SLIP RESISTANCE² | |
| Dry > 40 wet > 40 (anti-slip ver.) | EN 13036-4 |
| TEMPERATURE RESISTANCE | |
| Sustained heat: 60°C, intermittent spillages: 70°C | |
| WATER PERMEABILITY | |
| Karsten test - Nil (Impermeable) | |
| SURFACE HARDNESS | |
| SH 100 N/mm ² | EN 13892-6 |
| WEAR RESISTANCE | |
| Class AR0,5 | PEN 13892-4 |
| COMPRESSIVE STRENGTH | |
| > 75 N/mm ² | EN 13892-2 |
| FLEXURAL STRENGTH | |
| > 30 N/mm ² | EN 13892-2 |
| TENSILE STRENGTH | |
| > 15 N/mm ² | BS 6319 |
| IMPACT RESISTANCE | |
| IR20 | EN ISO 6272-1 |
| BOND STRENGTH | |
| 3,0 MPa | EN 13892-8 |
| VAPOUR PERMEABILITY | |
| 1,36 g/m ² /mm/24h | ASTM E96:60 |



High mechanical resistance:
High scratch and abrasion resistance, excellent wear and impact resistance



High chemical resistance:
Protects against the majority of chemicals



Anti-slip finish:
Slip resistant finish can be tailored to specific client requirements



Hygiene:
Seamless – easy to clean



Attractive:
Aesthetically appealing coloured quartz finish

¹The figures in the table beside are typical properties achieved in laboratory tests – these results may vary depending on the conditions on the installation site.
²The final anti-slip properties of the floor are influenced by the application method, the size and shape of the aggregate used for the topcoat (aggregate recommendations available from Flowcrete Polska), the degree of abrasion, maintenance and the nature of the dirt.

Model Specification

| | |
|-------------------|----------------------------|
| System: | Peran STB |
| Finish: | Gloss or Matt |
| Thickness: | approx. 2–6 mm |
| Colour: | According to the catalog |
| Producer: | Flowcrete Group Ltd |
| Supplier: | Flowcrete Polska Sp. z o.o |
| Telephone: | +48 22 879 89 07 |

Installation Service

The installation should be carried out by a Flowcrete approved contractors with a documented quality assurance scheme. Obtain details of our approved contractors by contacting Flowcrete Polska or enquiring via our website at www.flowcrete.com.pl.

Products Included in this System³

| | |
|----------------------------------|--|
| Primer: | Peran STC or Protop 1000; Colour quartz sand |
| Topping: | Peran STC or Protop 1000; Peran SL C; Colour quartz sand |
| Topcoat: | Peran STC |
| Matt finish (optionally): | Flowseal PU Matt |

³ If other resins are used contact Flowcrete Polska for further details.

Detailed application instructions are available upon request.

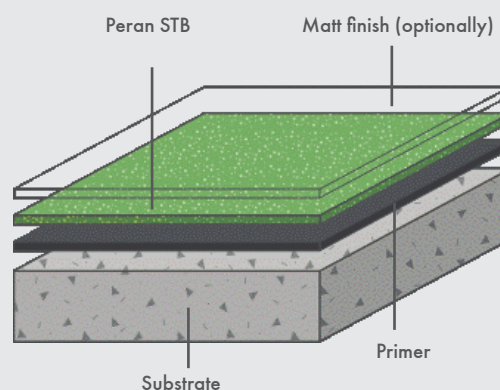
SPEED OF CURE

| | 10°C | 20°C | 30°C |
|--------------------|---------|--------|--------|
| Light Traffic | 36 hrs | 24 hrs | 12 hrs |
| Full traffic | 72 hrs | 48 hrs | 24 hrs |
| Full chemical cure | 12 days | 7 days | 5 days |

Substrate Requirements

Concrete or screed substrate should be class min. C20/25, a minimum bond strength of 1,5 MPa (pull-off test), surface even, clean, free from laitance, dust and other contamination. All damages in the substrate should be repaired prior to applying the flooring. The substrate should be dry up to 75% RH as per BS 8204 (5% moisture content per weight) and free from rising damp and ground water pressure. In case of higher humidity, one should use Hydraseal DPM as primer. Details to be found in the *Flowcrete Resin Flooring Substrate Requirements*.

System Design



Environmental Considerations

The finished system is assessed as non-hazardous to health and the environment. The long service life and seamless, impermeable surface with perfect adhesion to the substrate reduce the need for repairs and maintenance.

Technical information, recommendations and instructions concerning the product use, storage and maintenance included in this System Data Sheet are based on Flowcrete Polska Sp. z o.o. (further related as „Flowcrete”) knowledge and experience, reflecting the best acknowledged way of using the material for a given moment. Taking into consideration other factors that are beyond the producer’s control, including differences in quality of substrates, tools and other complementary materials, weather conditions, proper installation and also cleaning and maintenance, Flowcrete cannot take responsibility in case of failure to conform with information and instructions included in this System Data Sheet or, respectively, written recommendations from authorized Flowcrete representatives. One should always conform with up-to-date norms and building principles, and also safety, hygiene and health protection rules according to the information included in Material Safety Data Sheets and also on the products packaging. This System Data Sheet replaces all previous versions. In order to receive up-to-date System Data Sheets contact Flowcrete Polska

[06/12/17]

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