



## SPORT ROAD



### DESCRIPTION

SPORT ROAD water-based coating for asphalt systems, subject to moderate and heavy traffic conditions. SPORT ROAD is specifically designed for use on asphalt and printed asphalt substrates. It has excellent adhesion and withstands asphalt movement, providing durability, wear resistance and slip resistance.

### ADVANTAGES

- ✓ Excellent resistance to atmospheric changes and inclement weather.
- ✓ High stability, long life and abrasion resistance.
- ✓ Easy to apply.
- ✓ Silky matt finish.
- ✓ Non-slip.
- ✓ Decorative printed asphalt.

### RECOMMENDED USES

Particularly suitable due to its high abrasion resistance and flexibility, withstanding movement of the asphalt without cracking, as well as asphalt agglomerates.

SPORT ROAD is applied as a multi-layer coating system on asphalt surfaces. Surface preparation is essential for good adhesion. The surface must be clean and dry, and the application temperature must be above 10°C.

Clean the surface using a mechanical or manual broom. Remove any sand from the surface with a blower. If necessary, wash the surface with pressurised water to remove any debris adhering to the surface. Use a non-solvent degreaser to remove stains. Apply the degreaser to the stained area and leave to act for 15 minutes. Using a stiff broom or brush, clean the stained area to remove dirt and rinse with water. Repeat this procedure on more stubborn stains. Rinse the area thoroughly and leave to dry for 24 hours.

**Fields of application:**

- Industrial flooring and vehicle parking areas with heavy traffic.
- Outdoor car parks.
- Treatment of traffic islands or medians in civil engineering works.
- Paving of sports areas.
- Pedestrian walkways or paths in recreational areas.
- Industrial flooring and outdoor and indoor garages.
- Bike lanes.
- Printed asphalt.
- Bus lanes.
- Acceleration lanes.

**PRESENTATION**

Colours in NCS - RAL.

Silky matt finish. 20 kg formats.

**TECHNICAL CHARACTERISTICS**

Vehicle composition > son

Pigments

Selected fillers

Solvent

Water.

Acrylic copolymer resins.

Mineral and organic.

Cristobalite-quartz-bauxite.

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**Density** 1.45± 0.02 kg/L.

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**Performance** Depends on the absorption of the surface and system.

**SUBSTRATES: asphalt and bituminous**

Apply SPORT ROAD at a rate of 1 kg with a rubber rake. Dilute with 10% water based on the total product.

**DILUTION:**

Water.

**YIELD:**

Approx. 0.300 kg/m<sup>2</sup> Applied with a roller per coat. Apply 1 kg/m<sup>2</sup>

Consumption applied with a rubber squeegee on asphalt approx. 800 g on a system applied with air approx. 800 g.

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**Drying**

To the touch

1 hour

Total

6-8 hours.

Repainting

After 24 hours at 20 °C.

Exposure to traffic at a temperature of 10°C for 6 to 8 hours.

Exposure to traffic at a temperature of 30°C for 2 to 4 hours.

## APPLICATION

|              |                                                                                     |
|--------------|-------------------------------------------------------------------------------------|
| <b>Coats</b> | 3 coats. 2 coats<br>with a roller,<br>airless spray.<br>1 coat with a rubber roller |
|--------------|-------------------------------------------------------------------------------------|

### **Environmental conditions**

Surfaces must be dry for at least 24 hours before applying SPORT ROAD coatings. The minimum recommended air and surface temperature is 10°C. The coating must be applied at least two hours before sunset to allow the product to cure properly.

### **Slip resistance**

SPORT ROAD provides excellent slip resistance. The slip resistance value Rd is determined by the pendulum test described in Annex A of standard UNE-ENV 12633:2003 using scale C 3.

|                                            |                          |
|--------------------------------------------|--------------------------|
| Resin.                                     | Hybrid combination       |
| % Solids by weight.                        | >80%                     |
| % Solids by volume.                        | >50%                     |
| %Calcined cristobalite, quartz and bauxite | <40%                     |
| Liquid density.                            | 1.4 kg/l at 20°C         |
| Flash point.                               | >200°C                   |
| Hazardous ingredients.                     | None.                    |
| Taber abrasion CS-17.1 kg, 1000 cycles.    | 75 mg                    |
| Tensile strength.                          | 30.45 kg/cm <sup>2</sup> |
| Elongation.                                | 14                       |
| Elastic modulus.                           | 8.17 kg/cm <sup>2</sup>  |
| Slip resistance.                           | C3                       |

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|                              |                                                                                                                                        |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Recommended thickness</b> | No more than 0.300 kg per coat on smooth surfaces.<br>No more than 1 kg per coat on rough and/or porous substrates<br>such as asphalt. |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|

|                 |                                                                                                     |
|-----------------|-----------------------------------------------------------------------------------------------------|
| <b>Dilution</b> | 5% for the first coat, 5% for the second coat, using a spray gun to dilute to<br>optimum viscosity. |
|-----------------|-----------------------------------------------------------------------------------------------------|

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|                                |                                          |
|--------------------------------|------------------------------------------|
| <b>Application temperature</b> | Ambient temperature between 5 and 30 °C. |
|--------------------------------|------------------------------------------|

|                          |                                            |
|--------------------------|--------------------------------------------|
| <b>Application tools</b> | Roller, airless spray gun, rubber scraper. |
|--------------------------|--------------------------------------------|

### **DRYING TIMES**

|               |        |      |
|---------------|--------|------|
| Temperature   | Time   | Test |
| at 10°C.      | 50 min |      |
| Test at 30°C. | 30     |      |

**Asphalt substrate:**

Clean with a broom and remove particles with air blowers.

**Non-asphalt substrates**

Mechanical treatment using a SAT diamond disc machine, followed by vacuuming.

Repair of cracks, fissures and potholes using PR EPOX 40 100% solids thixotropic epoxy resin.

Apply a coat of water-based epoxy primer, PR EPOXW 20, to loose, absorbent or highly alkaline surfaces. In the case of efflorescence or saltpetre, treat with a diluted acid solution, rinse with plenty of water and leave to dry.

It is essential to regulate the porosity of the pavement so that it is sufficiently adequate to promote the penetration and anchoring of the paint. The best results are obtained through mechanical methods, as these not only regulate the porosity of the substrate but also remove any unwanted substances or foreign bodies.

If mechanical treatment is not possible, at least a chemical treatment should be carried out: removal of foreign or unwanted agents using diluted hydrochloric acid, followed by removal of any acid residue with plenty of water; finally, allow the substrate to dry completely and proceed with normal painting.

**IMPORTANT:** DO NOT HARDEN in high humidity or below 10°C. - Do not apply the paint to surfaces that are very hot due to exposure to the sun.

Surfaces in general should be clean, dry and free of grease, dust and rust. Clean, dry and well-cured floor (28 days).

Residual floor moisture content below 6%.

Defective areas of paint must be removed and cleaned using the most appropriate method for each surface, taking care not to apply an excessive layer that could hinder drainage.

**COLD MATERIALS:** When dealing with acrylic, epoxy and urethane resins, cold material will result in slower than normal curing times and may affect their physical properties once cured. Cold materials are more difficult to mix, spread and level. Before applying materials in cold temperatures, they should be stored in a heated environment or in a heated storage container at the ideal temperature indicated on the Product Data Sheet. The longer the materials can be stored in a temperature-controlled environment, the better they will perform.

• **COLD AMBIENT TEMPERATURES:** This condition will also cause epoxy and urethane materials to cure more slowly than normal. It will also make them more difficult to spread and level. It can cause bubble/blistering problems because the viscosity of the epoxy has increased due to colder temperatures, preventing vapour trapped in the substrate from escaping. Before application, the temperature in the application area should be at normal service temperature for a minimum of 48 hours. If necessary, use forced heat from portable heaters.

• **COLD SURFACE TEMPERATURES:** Concrete surfaces with a temperature of 10°C or lower will drastically slow down the normal curing of epoxies and urethanes and may reduce curing by up to 6 hours or more. It can also affect the physical properties of cured membranes, causing some epoxies to become flexible. Cold substrate temperatures can prevent epoxies from "wetting out" or penetrating the concrete surface, causing adhesion problems. Before application, service temperatures must be at normal operating conditions, a minimum of 15°C, for a minimum of 48 hours. If this cannot be achieved, the use of forced heat may be necessary.

• **BASEMENTS, POORLY VENTILATED AREAS:** In poorly ventilated areas or basements, relative humidity due to condensation can reach levels that affect the finish of the products. These effects range from condensation marks on the surface to curing problems.

• **RECOMMENDATIONS:**

1. Air renewal with ventilation equipment before, during application and during the curing process of the materials.
2. Use a heat gun covering the entire area. This will help eliminate moisture and achieve the right temperature for both the substrate and the environment for the application of the products.
3. Never apply epoxy, polyurethane or acrylic below 10°C.
4. The substrate and ambient temperatures must be at least 3°C above the dew point during application.

**HOT SUBSTRATE / AND OR MATERIAL:** Substrates exposed to high temperatures exceeding 26°C directly affect the physical and chemical properties of materials. The direct effects on the application are that, depending on their nature, the materials will experience causes and effects such as: cracking, micro >isura, orange peel, craking, accelerated drying with loss of properties, colour changes, loss of levelling, etc.

• **RECOMMENDATIONS**

Do not apply at ambient temperatures above 25°C. Do not apply outdoors during the hottest hours of the day.

Do not expose materials to high temperatures or store in direct sunlight. Do not apply if the substrate is at a temperature above 30°C.

## CONSERVATION

Easy to homogenise by shaking after 12 months of storage in a closed container. Does not form skins, clots or gels. Store at temperatures below 5°C.

**SAFETY, HEALTH AND ENVIRONMENT**

In general, avoid contact with eyes and skin, wear gloves, protective goggles and appropriate clothing. Keep out of reach of children. Use only in well-ventilated areas. Do not dispose of waste down the drain. Keep the container tightly closed and in a suitable place. Ensure proper transport of the product; prevent any accidents or incidents that may occur during transport due to breakage or damage to the container. Keep the container in a safe place and in the correct position. Do not use or store the product in extreme temperatures. Always comply with current legislation on the environment, hygiene, health and safety at work. For further information, it is essential to read the product's SAFETY DATA SHEET. It is advisable to periodically check the update status of this Technical Data Sheet. Pinturas Pinay guarantees that its products comply with the specifications set out in the technical data sheets. The technical advice provided by Pinturas Pinay, before or after delivery of the products, is purely indicative and given in good faith and constitutes its best knowledge, in accordance with the current state of the art, but without any guarantee as to the final results, as these depend on conditions of use that are beyond our control. All our sales are subject to our general terms and conditions of sale, which we recommend you read.

See label and Safety Data Sheet.



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