



Shell Flintkote Penetration Primer

Product Technical Data Sheet

Shell Flintkote Penetration Primer is a highly penetrative thin bituminous solution, black in colour.

Advantages

- Excellent penetration to porous substrate.
- Quick drying.

Uses

- As a primer for concrete, substrates, cementitious screeds/renders, bitumen felt, mastic asphalt, weathered corrugated iron and steel, wood surface prior to the application of bituminous materials.

Specification Clause

Bituminous Primer:

Bituminous or concrete surfaces areas so designated shall be coated with **Shell Flintkote Penetration Primer** as supplied by Shell. The coating should be applied in one coat at a coverage rate not less than 10m²/litre per coat in accordance with Shell's current product data sheet.

Application Instructions

Surface Preparation

All surfaces shall be clean and free from dust, dirt, oil, grease, moss and loose material.

Coating Application

Shell Flintkote Penetration Primer should be well scrubbed in by brush, ensuring only a thin coating is applied; or applied thinly but evenly by spray. Allow to dry thoroughly before over coating.

Coverage

Coverage rates will vary depending on the actual surface environment and application. The typical coverage per coat is about 0.1 – 0.2 litre/m².

Cleaning of Tools

Clean with paraffin (kerosene) or white spirit.

Storage

A minimum of 12 months in original sealed containers stored under cover and dry place. It must be stored under conditions which meet the local regulation applying to such substances.

Packaging

Shell Flintkote Penetration Primer	18 litre
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Typical Properties

Property	Typical Values
Type of solvent	Petroleum aliphatic hydrocarbon
Flash Point	30°C
Specific Gravity	0.90
Application Temperature Range	2°C to 50°C
Drying Time	Approximately 1 – 2 hours, depending on temperature, humidity, air change and base conditions.

Health and Safety

- Flammability:** Flammable. Keep away from sources of ignition including pilot lights and sparks. Take precautionary measures against static discharge. Do not smoke. Keep containers tightly closed when not in use. If used in an enclosed space, ensure thorough ventilation of the area (using flameproof mechanical blowers) to avoid any accumulation of vapour until the product has dried. In case of fire use dry powder, carbon dioxide, foam, sand or earth. Never use water as this may spread the fire. *Note: Electric motors, light/power switches and steel tools may generate sparks sufficient to ignite such a material or the vapours given off, resulting in an explosion and/or fire.*
- Skin Contact:** Contains solvents which cause defatting of the skin and, in extreme circumstances, dermatitis. Avoid contact by careful working and use of barrier cream or gloves. Remove skin contamination with a proprietary hand cleaner following by washing with soap and water.
- Eye Contact:** Could be harmful. Wear protective eye-shields, especially where there is a danger of splashing. In the event of accidental contact, irrigate the eyes immediately with clean water for 15 minutes and seek medical attention.
- Inhalation:** Contains low volatility solvents. Use in well ventilated areas and avoid inhalation and use suitable respiration or breathing mask where necessary. In the event of discomfort as a result of inhalation, remove person to fresh air and obtain medical attention.
- Oral Digestion:** With proper handling oral digestion should not occur. The possibility can be minimised by not consuming food in the working area and by washing hands thoroughly before eating, drinking and smoking.
- Spillage:** Spilt material should be mopped up immediately with an inert absorbent material such as sand and disposed of, in accordance with local regulations, by incineration or burial.
- Disposal of containers:** Do not leave empty containers on site where any residue could be a hazard to children or animals. Replace lids and remove all containers to a central disposal point.

Shell Flintkote Penetration Primer is unlikely to present significant health and safety hazard when properly used in the recommended application, provided good standards of industrial and personal hygiene are maintained.

For further information, please contact:
<http://www.shell.com/bitumen>