

# **SPIRIT PORCELAIN SEAL**

## **TECHNICAL BULLETIN**

### **PRODUCT DESCRIPTION**

Non-flammable, solvent-based penetrating seal leaving a natural look.

### **USES**

Gives a high level of protection against sub-surface staining on the following products:

- Polished porcelain, vitrified tile and tessellated floor tiles
- Natural stones such as polished limestone, polished granite, polished marble

### **CHARACTERISTICS**

Non ozone depleting solvent carrier

Internal and external use

Fast sealing and curing – allows foot traffic in 30 minutes

High resistance to both oil and water-borne contaminants

Permits vapour and salt transmission

Non-flammable & non-corrosive

Mildew resistant

Excellent grout sealer

### **EXPECTED WEAR**

Under normal conditions a minimum of 3 to 5 years for both interior and exterior conditions.

### **METHOD OF APPLICATION**

- Always do a small trial area first in an inconspicuous area to ensure application competence and satisfaction with results...
- Ensure surface to be sealed is sound and dry, thoroughly clean and free from oils, grease, paint, grout or cement residue, efflorescence or acid.
- Apply 1 thin coat of Spirit Porcelain Seal undiluted using a dry absorbent white cloth or lambs wool applicator or solvent-resistant sprayer. To ensure total coverage, apply Spirit Porcelain Seal in a north-south and then an east-west direction.
- 1 coat is required.
- Cure time – Spirit Porcelain Seal cures fully within 12 hours. However, the sealed tiles can be walked on after about 30 minutes.
- It is important that no water comes in contact with the newly sealed tiles for at least 2 hours after application. **WARNING!** Keep away from children.

## **FIRST AID**

- SWALLOWED – drink liquids. DO NOT INDUCE VOMITING. Contact Poisons Information Centre and seek medical advice.
- SKIN – wash thoroughly with plain water. Remove instantly any contaminated clothing.

## **PRECAUTIONS**

- Apply Spirit Porcelain Seal when surface temperature is between 10-25c.
- Spirit Porcelain Seal must not be used externally on rainy days. Rain must not be allowed to come in contact with Spirit Porcelain Seal within 2 hours of application.
- All surrounding areas should be protected from contact with Spirit Porcelain Seal. In the event of contact with painted surfaces allow solvent to dry, then wipe off with a dry white absorbent cloth. Spirit Porcelain Seal may damage any plastic, rubber or painted surfaces.
- Use only in well-ventilated areas, as prolonged breathing of fumes is harmful to most people. Remove pets and ensure no food is exposed to Spirit Porcelain Seal.
- It is highly recommended that neoprene gloves, long-sleeved shirt and safety goggles be worn along with an approved organic vapour respirator when apply Spirit Porcelain Seal.
- If using a sprayer, avoid applying in windy conditions.

## **COVERAGE**

Coverage will depend on porosity of tiles, temperature and method of application.

Approximate coverage's are as follows:

- Porcelain 1 litre per 10 to 12 square metres
- Vitrified Tile 1 litre per 10 square metres
- Tessellated Tile 1 litre per 10 square metres
- Polished Limestone 1 litre per 10 square metres
- Polished Marble 1 litre per 10 square metres
- Polished Granite 1 litre per 10 square metres

## **MAINTENANCE**

- Regular daily cleaning: Use Spirit Neutral Cleaner
- Periodical cleaning: Use Spirit HDC

## HANDLING & STORAGE

- Use full strength, do not dilute.
- Store tightly capped in original container in cool shaded storage area.
- Product Name Spirit Porcelain Seal
- Appearance & Type of Chemical Clear to amber colour solvent base Liquid
- Product Use: Floor sealer, used neat

## SPECIFICATION

Product Name	Spirit Porcelain Seal
Appearance & Type of Chemical	Clear to amber colour solvent base
Liquid	
Product Use:	Floor sealer, used neat
Hazchem Code	2 < Z >
U.N. Number	1710
Packaging Group	111
EPG	6B7
Class 6.	1B Poisonous (harmful)
Poisons Schedule	S5
Specific Gravity (20 c)	1.47
Rel Vapour Density (air=1)	4.5
Vapour Pressure (20 c)	14 Kpa
Flash Point ©	None
Autoignition Temp ©	410
Solubility in Water (25 c)	350 ppm v/v
Freezing Point ©	Approx -38
Boiling Range ©	71-81
Sublimation Point	Not Applicable
pH	Not Applicable
Evaporation Rate (n-Butyl acetate =1)	Not Available
Appearance, Odour:	Amber colour, volatile liquid with a
mild	chloroform-like odour
Solubility:	Practically insoluble in water. Miscible
with	most organic solvents.

## REACTIVITY

Can react with aluminium or light alloys with generation of gas and pressure build-up. Can react violently with metals such as sodium, potassium, barium, and alkali metal hydroxides. At elevated temperatures, will liberate phosgene upon contact with iron, copper, zinc, or aluminium. Decomposes at 260 c liberating hydrogen chloride and traces of phosgene. Unstable at temperatures above 360 c; can be oxidised by atmospheric oxygen at high temperatures to produce phosgene.

## INGREDIENTS

Active Resins 1% to 50%  
Trichloroethylene 50% - 90%  
Stabiliser 1% to 5%