



TECHNICAL DATA SHEET

Product: MULTI-PRO WD-14 WATER REPELLENT (WET & DRY – 14)

Document Code: MP-TDS-WD-14

Revision: R0

Issue Date: 07 December 2025

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SCIENCE AND TECHNOLOGY AT WORK

The science of chemical water repellents is complex and frequently misunderstood. End users often rely on information provided by sales personnel who may have limited technical knowledge regarding product performance. This Technical Data Sheet does not seek to provide an exhaustive scientific explanation of water repellent technologies, but rather to outline key distinctions and performance characteristics relevant to product selection and application.

Silane and siloxane-based products are typically supplied as solvent- or water-based topical coatings. These products are widely available within the construction and retail sectors and are generally priced according to their solid content, which may vary. Application to moist substrates is possible; however, such products are generally not suitable for subsequent overcoating with paint. Curing occurs primarily through oxidation.

Potassium-based derivatives function as penetrating liquids. When applied to porous substrates, penetration into the capillary structure occurs, followed by a chemical reaction that results in inorganic crystal formation within the capillaries. These crystals are highly durable and resistant to degradation. Although potable water is used as the carrier, the substrate must be completely dry prior to application.

In view of these differing mechanisms, it is evident that separate solutions are traditionally required for wet and dry substrates. Following extensive research and development, Multi-Pro formulated and produced MULTI-PRO WD-14 WATER REPELLENT, based on proprietary SS 03 technology, suitable for both wet and dry porous substrates and curing by chemical reaction. The reaction commences immediately upon application and is completed within approximately eight hours at an ambient temperature of 25 °C.

FEATURES

- Yellow to orange liquid.
- Cures by chemical reaction.
- Rapid development of water repellent properties.
- Produces a durable beading effect.
- Provides an excellent adhesion base for coatings.
- Water based.
- Cures to a transparent finish.



BENEFITS

- Cost effective.
- Permanently inhibits water and moisture ingress.
- Allows vapour transmission.
- Durable and long-lasting performance.
- Ease of application.
- Reduces paint consumption; no primer required.
- Effective on both wet and dry substrates.
- Compatible with water-based coatings.
- No primer or undercoat required.
- Readily available.

TYPICAL SUBSTRATES

- New and aged concrete or plaster.
- Sandstone and pavers.
- Bricks, slasto, cement roof tiles, and prefabricated wall systems.
- Wood.

APPLICATION

Application may be performed using a household trigger atomised dispenser for small areas or an agricultural backpack sprayer for larger areas. Roller application is not recommended. The substrate must be saturated uniformly while avoiding overspray and liquid damming. Excess liquid must be removed immediately. Appropriate personal protective equipment (PPE) must be used. All non-ferrous metals, glass, and window surfaces must be protected from contamination.

TECHNICAL DATA

Spread Rate (SPR): Cement brick / paving – 3 m² per litre.

Spread Rate (SPR): Face brick – 3.5 to 4 m² per litre.

Spread Rate (SPR): Plaster and concrete – 4 to 6 m² per litre.

Colour: Yellow / orange.

Solid Content: 42% by mass.

Specific Gravity (SG): 1.35 – 4.

Solvent: Potable water.

Cleaner: Potable water.

HEALTH, SAFETY & HANDLING

Wear appropriate personal protective equipment during application.

Apply protective barrier cream to exposed skin.



Clean tools immediately after use with potable water.
Prevent material from entering stormwater drains or sewer systems.
Product is not intended for ingestion.
In case of eye contact, rinse thoroughly with clean water.
Avoid inhalation of vapours.
Individual skin sensitivity reactions may occur.
Keep out of reach of children.

DISCLAIMER

The information contained in this Technical Data Sheet is provided in good faith and is based on laboratory testing and practical experience. It is provided for guidance purposes only. As conditions of application, surface preparation, and use are beyond the control of Multi-Pro Distributors, no warranty, whether express or implied, is given regarding the final results obtained. The user is responsible for determining suitability and regulatory compliance.

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