

Rep-Stone

Water repellent impregnation based on water borne silicone



DESCRIPTION

Rep-Stone is a silicone based water repellent impregnation that can be applied over mineral construction materials to protect them from water and thus preserve the integrity of the substrate.

Rep-Stone is a transparent liquid, that is single component and ready for use, composed of water based silicone.

APPLICATIONS

- » Rep-Stone is applied over vertical or steeply sloping substrates to provide an outstanding early water repellency that protects the substrate from the intrusion of water and thus maintains its integrity and enhances its durability.
- » It provides excellent water protection for mineral construction materials such as natural stone, brick, clay, gypsum and more.

ADVANTAGES

- » Excellent reduction of water intrusion.
- » Reduces stone staining and degradation caused by water penetration.
- » Early water repellency and beading effect.
- » Minimizes efflorescence.
- » Reduces dust and dirt pick-up.
- » Protection against algae, moss, and fungal growth.
- » Breathable, allows for water vapour release.
- » Excellent resistance to UV light.
- » Does not darken the substrate when applied.

LIMITATIONS

- » Rep-Stone is not suitable for polished and glazed surfaces.
- » Rep-Stone can cause a white deposit on the surface of coloured construction materials.
- » Rep-Stone cannot be applied on surfaces previously treated with water repellent materials.
- » Rep-Stone is not suitable for application over concrete. If water repellents are required to protect concrete substrates, please refer to the DCP Catalogue for other suitable products.

TECHNICAL PROPERTIES @ 25°C:

Appearance:	Clear
Specific gravity:	1.01 ± 0.005
Water absorption resistance compared to untreated stone sample: ASTM C642, 96 hr immersion	> 130% improvement in water resistance
UV resistance: ASTM C1315	No yellowing or deterioration
VOC:	< 10 g/ltr

METHOD OF USE

SURFACE PREPARATION

Surface must be clean, sound and free from oil, grease, curing compounds or any contamination. Any contaminants should be removed by light grit blasting. Use a water jet as the end step of substrate cleaning.

Note: Avoid the use of acidic or alkaline chemical detergents and cationic surfactants. If detergents are used for cleaning, it is necessary to rinse the cleaned surface well using water in order to remove any detergent residue.

APPLICATION

It is recommended to apply two consecutive coats of Rep-Stone at the stated rate of application with a maximum recoat time of 10 minutes, or one flood coat. Impregnation can be carried out using airless spray machine, brush, or roller.

Notes:

- » Rep-Stone should not be applied on glass, wood, plastic, aluminum and metals. Rinse immediately with water in case of accidental exposure.
- » Rep-Stone should not be applied when rain is forecasted within 24 hours. Wait at least 24 hours after rain or water cleaning.
- » Be sure that impregnated surfaces by Rep-Stone are not exposed to water and rain for at least 8 hours after application. Allow the treated surface to dry for at least 24 hours to develop maximum water repellency.
- » DO NOT USE DETERGENTS for cleaning impregnated surfaces by Rep-Stone, washing occurs only by water.

DCP Lebanon

Port, Jamarek Street,
Beirut, Lebanon
info.lebanon@dcp-int.com
www.dcp-int.com





Rep-Stone

CURING

The water repellent properties fully develop in approximately 24 hours @ 25°C.

CLEANING

Tools and equipment can be cleaned with water when wet.

PACKAGING

Rep-Stone is available in 5 and 25 litres plastic gallon containers and 200 litres plastic drums.

COVERAGE

0.1 - 0.4 litre per m² depends on the porosity of the substrate.

STORAGE

Rep-Stone should be stored under cover at a minimum ambient temperature of 5°C.

SHELF LIFE

Rep-Stone has a shelf life of 18 months from date of manufacture if stored in proper conditions and sealed drums.

If these conditions are exceeded, DCP Technical Department should be contacted for advice.

CAUTIONS

HEALTH AND SAFETY

Care should be taken during use and storage to avoid contact with skin, eyes and mouth. Wear suitable protective clothing, gloves and eye/face protection.

Should accidental skin contact occur, remove immediately with plenty of clean water. If swallowed, seek medical attention immediately - do not induce vomiting.

For further information refer to the Material Safety Data Sheet.

FIRE

Rep-Stone is nonflammable.

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Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.

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