

INCRASIL CW50

water and oil repellent

INCRA®

INCRASIL **CW50** is a penetrating water- and oil-repellent agent composed of silanes/siloxanes and high quality additives for concrete surfaces. The product is invisible after application, extremely water repellent and very durable. INCRASIL **CW50** is the result of intensive research and development: **a special product with a unique formulation**. It reacts on nano and micro scale with the surface and has an excellent adhesion to concrete substrates. Due to the very small silane molecules INCRASIL **CW50** penetrates into the smallest pores and reacts with the concrete to form a strong water repellent protection against the weather. The product has also oil repellent properties.

APPLICATIONS

- ◆ Concrete walls and facades
- ◆ Impregnation of concrete, limestone, stucco, cellular concrete, mortar joints.
- ◆ Hydrophobation of concrete infrastructural projects.

FEATURES & BENEFITS

- ◆ Unique formulation
- ◆ Fast beading
- ◆ Water and oil repellent
- ◆ Waterbased and solventfree
- ◆ Safe to handle and virtually odourless
- ◆ Application at low temperatures of 5° C
- ◆ Ready for Kartstentube test (Rilem) 14 days
- ◆ Invisible after application
- ◆ Excellent penetration into the surface
- ◆ Prevents the absorption of rain
- ◆ Masonry stays vapour permeable
- ◆ Breathable, does not keep moisture fixed
- ◆ Indirectly increases insulation value
- ◆ UV-resistant, non yellowing
- ◆ Reduces mold and mildew, also lime run

PRODUCT PROPERTIES

base	silane/siloxane and additives
components	1
solvent	water
colour	white
spec.weight	ca. 1,0 g/cm ³ at +20° C
solid content	ca. 10% (m/m)
pH-value	ca. 5,0 - 8,0 at +20° C
viscosity	ca. 1,1 mm ² /sec dynamic at +20°
flash point	nonflammable
cured	after 7-21 days
usage	150-300 ml/m ² depending on the porosity of the substrate
condition	liquid
storage	store in closed original packaging above +5° C, protect against sun, frost and extreme temperatures
packaging	25 Kg Jerrycans, 200 Kg Drums en 1.000 Kg IBC-Re-Collectcontainer
removal	according to local/regional/national regulations
shelf life	9 months after production date at +5° C to +30° C

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HOW IT WORKS

INCRASIL **CW50** is a penetrating water-repellent with oil repellent properties silanes/siloxanes and high quality additives for concrete surfaces, such as precast concrete and infrastructures. The product is invisible after application, extremely water repellent and very durable.

INCRASIL **CW50** is the result of intensive research and development: **a special product with a unique formulation**. It reacts on nano and micro scale with the surface and has an excellent adhesion to concrete substrates. Due to the very small silane molecules INCRASIL **CW50** penetrates into the smallest pores and reacts with the concrete to form a strong water repellent protection against the weather. The product has also oil repellent properties.

Thanks to innovative technology INCRASIL **CW50** is extremely responsive. In most cases the concrete will show a lotus effect within several hours after application. This is advantageous if shortly after application, rain is expected.

INCRASIL **CW50** helps prevent spalling and cracking caused by freeze/thaw cycles. Once concrete has been treated with INCRASIL **CW50** it remains cleaner and is easier to clean.

The product contains no silicone oils, paraffin wax, or urethanes.

Do not apply if moisture content surface is greater than 15% as measured with an electronic moisture meter. No application during and soon after a period of frost and the surface should have sufficient time to fully defrost. The air, surface and product temperature must be at least +5° C. No application if snow or lower temperatures are to be expected within 48 hours. Do not apply when the relative humidity exceeds 80%. The area should be well ventilated.

Protect plants, shrubs, cars, windows, frames and other not to be coated areas with a plastic sheet against overspray. Remove overspray as soon as possible from windows, cars, metals and plastics to prevent stains.

Close the packaging fully after use.

Always apply the product on a mock wall or test panel to determine porosity, coverage and most suited application methods before starting general application.

1. INCRASIL **CW50** should be applied using low-pressure airless spray equipment.
2. Apply top-down sufficiently and evenly 'wet-on-wet' through irrigation.
3. Make sure that the surface becomes saturated.
4. Avoid application in windy weather, also avoid atomizing the product.

Safety Data Sheet conform REACH 1907/2006/EU and CLP 1272/2008/EU available on request.

HOW TO USE

All surfaces to be coated should be free of dirt, grease, algae, fungus, limerun, deposits, soap residues (surfactants) etc.. All cracks need to be pointed or caulked. All holes, gaps, cracks and defects to be repaired in advance with a well-approved repair method. Applying to fresh concrete is advised after 48 hours.

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