



# WINSEAL

Item Code see DN

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Revision nr. 04

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## DESCRIPTION

WINSEAL is a mastic based on bitumen, chemical products, polymers and a non-chlorinated and non-toxic solvent.

WINSEAL is ready to use and remains soft even after the total evaporation of its solvent. It does not drip even on a vertical support and adheres under water.

WINSEAL is a bituminous product, specifically designed for difficult sealing problems, it provides a technical solution adapted to the needs of customers in the civil engineering sectors.

## FIELDS OF USE

Application fields are several:

Sealing of roofs, ponds, water mirrors and particular points, such as gutters, chimneys, ventilation ducts, lighting points, finishing of vertical and horizontal joints, repairs (emergency), protection against corrosion.

WINSEAL adheres to most of the supports used in the civil engineering sector, even wet, provided they are intact and clean:

bricks, cement concrete (with the exception of renovation plaster), concrete blocks, PVC, PP, PE, PUR, EPS, metals, glass, bituminous coating, tin coating, etc.

## SURFACE PREPARATION

Thoroughly clean the support to remove: dust, loose parts, foreign or non-stick substances

## WARNING

Do not add additives.

Do not use if the packaging is damaged.

Do not add water and / or solvents.

## CONSUMPTION

Adhesion: 310ml/m<sup>2</sup> (about 400g/m<sup>2</sup>)

As filling: 310ml (about 400g) for 10m (0.5x 0.5 cm curb)

For thicknesses from 1.5 to 2 mm: 3.85ml/m<sup>2</sup> (approx. 5kg/m<sup>2</sup>)

The information contained in this technical data sheet is to the best of our knowledge correct. However, by no means can it be considered a guarantee, as usage, working area and application of the product in accordance with the instructions given and their success in application is beyond our control and is dependent on a number of factors. We decline any responsibility for the improper use of the product as the application recommendations contained herein are to be considered as a general guideline. If at all in doubt, preliminary tests should be carried out. WINKLER S.r.l. reserves the right to modify and up-date said data sheets without prior notice. Clients are kindly requested to verify that they are in possession of the current edition.



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## PACKAGING

280ml cartridges – 25 cartridges per box.

## STORAGE

Storage life is more than 3 years after the date of production in its original packaging in a dry, cool and frost-free environment. Store at temperatures between + 5°C and +35°C.

WINSEAL meets the so-called "F 12.5P M1 up M2 up A up" requirements of the ISO 11600 standard. The properties corresponding to this classification are included in the following table.

This validation required numerous tests on different types of dry or wet substrates: sawn concrete, brushed concrete, anodised aluminum and PVC.

WINSEAL resists the attack of most acids and diluted bases. Not resistant to prolonged contact with hydrocarbons.

## SAFETY INSTRUCTIONS

## PRECAUTIONS

For information about safety, user must refer to the most recent Safety Data Sheet, edited in accordance with the regulations in force, which contains physical, toxic and other data about the product in use.

## ECOLOGY

Do not through out the product and/or empty containers in the environment. Consult the most recent Safety Data Sheet for further information about disposals.

CARACTERISTICS	WINSEAL
Appearance	Black, shiny and smooth
Tecture	Tixotropic oily paste
Density at 23°C	1,250 to 1,350
Abel Flash Point (IP 34) (Short-term value)	56°C
Drying time	From 12 hours to 4 weeks (depending on the kind of substrate, applied quantity and weather conditions)
Application temperatures	between +5°C and +40°C
Solid matter	88%

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CARACTERISTICS	METHOD	WINSEAL
Elastic resistance, %	ISO 7389	< 40
Stretching to break, % - on dry substrate at 23°C - after water immersion	ISO 8339	> 100 > 100
Loss of volume by solvent evaporation, %	ISO 10563	< 25 10% to 15%
Sliding resistance at +5°C and +50°C, mm	ISO 7390	< 3

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