



## JAYDEX INTERNATIONAL Roof Garden Solution

### Description

This specification includes the preparation and application of the Jaydex NOVAR-WS Root resistant/ Novabond double sheet system to a concrete roof. Both membranes are APP, Polyester reinforced with the NOVAR-WS having a special composite reinforcement, made of nonwovens spunbond polyester in combination and synthetic anti-root component

This membrane system is then overlaid with a proprietary drainage medium followed by sand/loam soil medium to provide a planted roof area.

### Field of Application

NOVAR-WS FLL is particularly suitable where anti-root resistance is required.

Roof gardens, terraces, foundations. It can be applied onto every substrate (concrete, masonry, membrane etc)

The excellent mechanical characteristics and high level thermo-dynamic stability make it suitable for any climate conditions and all the situations where a barrier against water is required.

### Special Characteristics NOVAR-WS FLL

- a) complete resistance to root perforations
- b) resistance to chemical attacks by acids, basics, salts and fertilizers which can be present in the soil
- c) resistance at micro-organisms attacks (fungi and bacteria).



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### Compliance

NOVAR-WS has been tested by the FORSCHUNGANSTALT in Geisenheim according to the Association FLL . This is the same testing method which the EN European Norm for determination of resistance to root penetration is based. **The test, the most demanding one in this field, lasted for four years and at the end of the test the NOVAR-WS FLL proved absolute resilience to root penetration.**

The membrane complies as well with the requirements set forth by the LDA Austrian Norms

### Technical Characteristics of NOVAR-WS FLL

Tensile strength EN12311-1:1999	L: 1000 N	T: 1000 N
Tensile elongation at break EN12311-1:1999	L: 45	T: 45
Resistance to heat EN1110:1999	>/= 130 deg.C	
Resistance to low temperature (pliability)	- 10 deg.C	
Root Resistance according to EN13948		

### Warranty

The Novater/ Novar-WS membrane system has been tested to the highest International Standards. The system is to be installed by a Jaydex Licensed Contractor and to Suppliers Specification and is normally Warranted for up to 20 years.