WINJOINT TECH

NATURE OF THE PRODUCT
Sealing cycle based on cold elastomeric bituminous emulsion and resins in aqueous dispersion, solvent-free, formulated at the WINKLER Research & Development laboratories.

FIELDS OF USE
Product used for the quick and easy sealing of joints of bituminous and concrete materials and of small cracks in roads and in airport runways.
The properties of the product and the simple installation have the following advantages:
- High chemical resistance to attack hydrocarbons, lubricants, oil, kerosene and de-icing substances.
- Resistance to weathering and UV rays
- High elastic capacity: it is used to extend the quality and durability of the seal.
- Excellent adhesion: avoids detachment of the product from the substrate and does not require primers.
- Environmentally friendly: completely solvent-free formulation

SURFACE PREPARATION
Quickly clean the sub-layer to remove dust or crumbly parts. In case of use for the treatment of joints, remove any previously applied sealants, then insert the non-stick compressible material rod inside the WINJOINT FOAM joint to create the "third wall".

RECOMMENDATIONS
Do not use if the container is damaged.
Do not add water and/or solvents.

APPLICATION TO FILL CRACKS
For the sealing of cracks from 1 to 10 mm, mix the product with 30% by weight of SPECIAL FILLERS, until a homogeneous consistency is obtained. Pour the product into the crack and, if necessary, facilitate application with a metal spatula. After 24 hours of application, apply one or two layers of top coat, using a roller or brush.

APPLICATION AS A JOINT SEALANT
For joints with a width of ≥1cm and up to a maximum of 2cm, apply a first coat of product mixed with 30% by weight of SPECIAL FILLERS, immediately after applying a dusting of saturated SC3 quartz (consumption of quartz dust on approximately 30 g/m per 1cm of width) and continue with application of the product until the leak is filled. After 24 hours of application, apply one or two layers of top coat, using a roller or brush.

DRYING TIMES
The product can be driven on 24 hours after application of the last coat.

CONSUMPTION
Consumption of bituminous sealant only: 100 -110 g/m for 1x1 cm rod
Sealant consumption mixed with 30% by weight of SPECIAL FILLERS: 120-130 per 1x1 cm rod.
Topcoat consumption: 15 -20 g/m per 1x1 cm rod in one or two coats.

WARNINGS
Apply the product at temperatures of between +10°C and +50°C. Avoid sudden direct heating with hot fluids with temperatures above 100°C.

STORAGE
Store the product in a sheltered place and at temperatures of between 10°C and 50°C. Protect from frost.

SAFETY REGULATIONS

PRECAUTIONS
For information regarding safety regulations, the user must refer to the most recent Safety Sheet, issued in compliance with the Regulations in force, containing the physical and toxicological information and other information related to the product being used

ECOLOGY
Do not dispose of the product and/or empty containers into the environment. Consult the most recent Safety Sheet for further information regarding any waste disposal.

Winkler Srl
Via M. Buonarroti, 15 - 20093 Cologno Monzese (Mi) - Italy | Tel. +39 02 26 700 605
info@winklerchimica.com - www.winklerchimica.com

TECHNICAL INFORMATION (average values)
PRODUCED FOR PROFESSIONALS

PRODUCT CHARACTERISTIC DATA

Essential feature	Reference standards	Unit of measurement	Reference value *
Binder content	UNI EN 1428	%	48 - 52
Tensile index	UNI EN 13075-1	None	110 - 195
Viscosity at 40°C ((2mm hole)	UNI EN 12846	sec	15 - 70
Adhesiveness	UNI EN 13614	%	≥ 90
Sieve residue 0.5 mm	UNI EN 1429	%	≤ 0.1
Sieve residue 0.5 mm (7 days of storage)	UNI EN 1429	%	≤ 0.5
Sedimentation trend (7 days of storage)	UNI EN 12847	%	≤ 10
Degree of acidity (pH)	UNI EN 12850	/	2 - 4
Binder recovered by evaporation (UNI EN 13074)			
Consistency at intermediate operating temperatures: Penetration at 25°C	UNI EN 1426	0.1 mm	≤ 100
Consistency at high operating temperatures: Softening point	UNI EN 1427	°C	≥ 55
Cohesion (Force ductility test at 10°C)	UNI EN 13589 UNI EN 13703	J/cm^2	≥ 1

*the declared values are understood to be detectable on homogeneous samples taken with joint input upon delivery, as prescribed by the EN58 standard and prepared for analysis as indicated by the EN12594 standard.

Winkler Srl
Via M. Buonarroti, 15 - 20093 Cologno Monzese (Mi) - Italy | Tel. +39 02 26 700 605
info@winklerchimica.com - www.winklerchimica.com