

## Technical Data Sheet

**Product Name : WN**

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### [1] Product Introduction

The WN is one component oxime silicone sealant cured by reacting with moisture and has a good adhesion and gunability. Specially, it is a product for exclusive use of exterior joint because weather resistance and durability is excellent. The movement allowance is about  $\pm 30\%$ .

### [2] Application Area

- Aluminum curtain wall joint
- Aluminum panel, Enameled panel joint
- Clean room joint
- Exterior & interior joint

### [3] Special features

- Excellent weather resistance
- Good elasticity
- Good adhesion
- Excellent durability

### [4] Technical Data

- ① Colour : White, Transparency, Gray, Black
- ② Specific gravity :  $1.37 \pm 0.02$  (filler type),  $1.01 \pm 0.02$  (non- filler type)
- ③ Curing reaction : cured by moisture
- ④ Flow resistance : 0 mm (KS F 2621; 4-1)
- ⑤ Tack free time : approx. 10 min.
- ⑥ Hardness : approx. 30 Shore-A (ASTM D 2240)
- ⑦ Elongation : approx. 400~500 % (ASTM D 412)
- ⑧ Modulus(M100) : Min.  $0.4 \text{ N/mm}^2$  (KS F 2621;4-3)
- ⑨ Volume loss : Max. 10 % (KS F 2621; 4-11)
- ⑩ Movement allowance :  $\pm 30\%$
- ⑪ Temperature range for using :  $5^\circ\text{C} \sim 40^\circ\text{C}$
- ⑫ Standard condition :  $23^\circ\text{C} \pm 2$ ,  $50 \pm 5\%$  relative air humidity

※ Do not use as below

- Place where immersed in water (fish basin, swimming pool etc).
- Place where can be contacted with food.
- Polyethylene, Polypropylene.

### [5] Package

- Cartridge : 300 ml (25ea/Box) – 12 months since production
- Sausage : 500 ml (20ea/Box) – 18 months since production  
600 ml (12ea/Box)

### [6] Storage

- Recommend to store at dry place under  $30^\circ\text{C}$ .
- Expired date
  - ① Cartridge- After 12 months since production.
  - ② Sausage- After 18 months since production.

### [7] Additional information

- Data about WN are based on current technical knowledge and experience. They do not exempt processors from running their own tests for the particular application field. Recommendations for use do

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not constitute a warranty, either express or implied, of the fitness or suitability of the products for a particular purpose. We therefore recommend you contact our technical support unit. We will gladly carry out application-related tests.

- It is important to ensure compatibility with adjacent materials (that contain plasticizers, for example, or release gaseous emissions). This may require clarifying with the manufacture before such materials are used.
- A drop in temperature or humidity, poor air flow or unusually deep joints may slow curing.

### [8] Safety notes

- Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER Chemicals Korea.

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The data presented in this document are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments.  
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