



Product code: MNK-232V

**At a glance**

✓	✓	✓	✓	✓	✓	✓
See note 10 below		See note 9 below	See note 6.3 & 15 below		See note 6.2 (UL 94V-0)	

**1. Description**

Milscreen™ Pipe Marker MNK-232V is used for indoor or outdoor line marking identification and system colour coding. The product complies with the **ASME A13.1 “Scheme for the Identification of Piping Systems”** regarding color, label.

**2. Product Code**

MNK-232V

**3. Use**

Adheres well to pipe and insulation with only limited surface preparation. Legend markers can be used with arrow tape or separate arrow markers to indicate flow direction.

**4. Adhesive Type**

Solvent polyacrylate, permanent

**5. Substrate Type**

Polyvinyl chloride, commonly abbreviated PVC

**6. Certificates**

1. German General Type Approval (ABG, D5292) acc. to 22a StVZO (Federal German Road Traffic Licensing Order);
2. B1-classification according to DIN 4102-1; Only flame resistant (class DIN 4102-B1) on steel planes.
3. Weathering test ISO 4892-2:2006

**7. Thickness**

140 microns (without protective paper and adhesive)

# Technical Data Sheet

## Milscreen™ Pipe Marker

**Mil**screen™  
MNK-232V

### **8. Dimensional stability** (FINAT TM 14)

Adhered to steel, no measurable shrinkage in cross direction, in length 0.4 mm max.

### **9. Temperature resistance** (normal climate of central Europe)

Adhered to aluminum, -40 deg C to +80 deg C, no variation

### **10. Seawater resistance** (DIN 50021)

Adhered to aluminum, after 100 h/23 deg C, no variation

### **11. Adhesive power** (average)

(FINAT TM 1, after 24 h, stainless steel)

18 N/25 mm

### **12. Tensile strength** (DIN EN ISO 527)

Along: min 19 Mpa across: min 19 MPa

### **13. Elongation at break** (DIN EN ISO 527)

Along: min 130% across: min 150%

### **14. Application temperature**

+8 deg C

### **15. Average Outdoor Durability**

2 years (Average expected outdoor life of product will depend on user definition of failure, climatic conditions, mounting techniques and material colour).

### **Note**

1. We strongly believe that our products sold should be tested thoroughly under end-use conditions to ensure they meet the requirements of your application.

2. We suggest that you clean thoroughly the surfaces to which the product will be applied from dust, grease or any contamination. Failing to do so could affect the adhesion strength of the product. Before you apply the product on freshly lacquered or painted surfaces, ensure that the surfaces are completely dried and cured.

3. We offer the test data and test results for your general information only. We do not recommend that you use this information for designs and specifications, or on as meeting specified performance criteria. If you are seeking to develop specifications or performance criteria for a specific product application, please call us for further information.

4. Our product compliance information is drawn from

(a) test results conducted by a third party, independent laboratory using established methods, or

(b) information offered by the respective manufacturer or supplier.

Thus, we do not represent nor warrant (express or implied), nor do we assume liability in connection with the use of this information.

### **WARRANTY**

1. We guarantee our products to be free from manufacturing defects for one (1) year from the date of purchase. We shall, at our option, replace the product found to be defective within this warranty period.

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2. This warranty extends to the original buyer of this product only. All others are not eligible to return products to us for warranty consideration.
3. This warranty is in lieu of any other warranty, express or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose, and of any other obligations or liability on our part.
4. In no event shall we be held responsible or liable for any loss, damage, expense, or incidental or consequential damages of any kind arising in connection with the use, or inability to use, our products.
5. We require that samples of the failure be submitted when a claim is made and before a remedy is offered