

## Plex 1465

### DESCRIPTION:

Plex 1465 is a low viscosity methylmethacrylate resin used in the formulation of permanent and durable cold plastic road markings and paints. The Plex 1465 is formulated without the use of plasticizers guaranteeing their permanent elasticity. The resin exhibits good wetting properties for fillers and pigments and the viscosity of the ready-formulated material remains stable over an extended period of time.

Application can even be done at freezing temperatures with a substrate temperature below 0 and up to 60°C so perfect for use in cold as well as in warm climates. Plex 1465 is EPD verified.

### APPLICATIONS:

Plex 1465 formulations are suitable for manual application by trowel and draw box, by hand guided machines and by 2-component extrusion machines with 100:2 dosing.

Formulations based on Plex 1465 can be used for formulating flat line, profiled and structure markings for example like markings at junctions and crossings, stop lines and direction arrows and for centre markings on freeways and highways.

### REMARKS:

Prior to use, Plex 1465 must be carefully stirred to achieve a uniform distribution of agents contained in the product.

### LEGAL NOTICE:

This information, and in particular the recommendations related to the application and end use of Eurostep products, is provided in good faith based on our current knowledge and experience of the products. It is valid for products that are correctly stored, treated and applied under normal conditions in accordance with Eurostep's recommendations.

In practice, differences in materials, substrates and actual on-site conditions are such that no warranty in respect of merchantability or of suitability for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the products must test the product's suitability for the intended application and purpose. Eurostep reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the technical data sheet for the product concerned, copies of which will be supplied on request.

### PROPERTIES:

Suitable for high temperatures  
Permanently elastic  
Resistant to ageing and weathering  
UV stable  
Resistant to de-icing salt and fuels  
Low tendency to graying  
Good abrasion resistance

### TECHNICAL PARAMETERS:

|   |            |
|---|------------|
| Viscosity <sup>1</sup> [mPa·s]                                | 150-200    |
| Density <sup>2</sup> [g/cm <sup>3</sup> ]                     | 0,95- 1,00 |
| Flow Time <sup>3</sup> [s]                                    | 75 - 95    |
| Refractive Index <sup>4</sup> [n <sub>D</sub> <sup>20</sup> ] | 1,44       |
| Colour Value  | < 50       |
| Flash point <sup>5</sup> [°C]                                 | 11         |

- 1 IKA lo-vi, SP-3, 30 RPM, 20°C
- 2 ISO 2811-1, + 23°C/50% R.H
- 3 ISO 2431, 4mm cup
- 4 DIN 51423
- 5 DIN 51755

### PACKAGING:

Can packing: 20 kg  
Metal drum: 180 kg

### FORM:

Component A: Liquid, white to yellow white  
Component B : Liquid, white to yellow white

### SHELF LIFE:

Up to 12 months after the production date if kept in the original, sealed, unopened and undamaged packaging and stored dry between +5 °C and +25 °C.

### HEALTH AND SAFETY:

For information and advice on the safe handling, storage and disposal of chemical products, the user should consult the most recent product safety data sheet consult, regarding the physical, ecological, toxicological and other safety-related data.

### VALUE BASE:

All technical data stated in this technical data sheet is based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.