

## Technical Data Sheet

### EKAMAT, EKAMET and EKALIT form parts of aluminium Al 99.5 flat or structured/grained

|                  |  |
|------------------|--|
| Material:        | aluminium, minimum 98% Al,<br>softy or hard, according to arrangement                                |
| Thickness:       | 0.01 to 1.0mm  |
| Tolerance:       | ± 6% DIN EN 546-3 or 485-3   |
| Surface:         | brilliantly / weakly DIN EN 546-2<br>0,010 – 0,030 gl/m, 0,030 – 0,300 gl/gl<br>or grained Aluminium |
| Specific weight: | ~ 2,7 kg/dm <sup>3</sup>   |

The material corresponds in the soft state of the quality grease-free C

|                       |   |
|-----------------------|---|
| Testing methods:      | EN 546-4 / Index C  |
| Test liquid:          | distilled water   |
| Expiry quality:       | without folds and demolitions   |
| Steam porosity:       | Steam-close Sd> 1500 m with foil thickness 0.05 mm<br><0,05 g/24h/m <sup>2</sup> /1 Mpa |
| Warm conductivity:    | 237 W/(m*K)   |
| Mechanical qualities: | DIN EN 546-2  |
| Fire behaviour:       | not ignitable, the glaze point lies with approx. 650°C                                  |

| Firmness (measured in smooth state): | thickness $\mu$ | tensile strength (Rm-Mpa) | elongation at rupture % |
|--------------------------------------|-----------------|---------------------------|-------------------------|
|                                      | 20-40           | 45-90                     | 2                       |
| EN 546-2                             | 41-89           | 45-95                     | 4                       |
|                                      | 90-139          | 50-95                     | 6                       |

|                   |   |
|-------------------|---|
| Intended purpose: | surface protection in the insulating technology         |
| Storage:          | in rooms in 15-30°C and relative aerial dampness 50-70% |

Accuracy: The products must be free from mistakes which affect the use under adequate application terms. The rolled surfaces must be smooth and clean. Smaller surface mistakes as for example slight stripes, scratches, grinder's places, longitudinal strips, roller beating, discolorations as well as a little bit irregular surface condition, as a result of warm treatments, etc. which are not always to be avoided completely are usually admitted on both sides of the product.

Our factory standards are not in any case congruent with the requirements of the public standards, so we advise to check and order according to the customer specifications, we will produce as far as technically possible.

Advice: The information provided here is consistent with the state of our knowledge at that time. If required request an up-to-date version of these publication. No representation of warranty is made for specific product properties or concrete applications. Industrial property rights must be observed.

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