

KALEA

Material data sheet

Product features

KALEA is an elastomer system - which can be applied by injection moulding - for the protection against abrasive wear. KALEA is especially suitable for slide promotion.

KALEA is suitable for jointless lining of complex geometric shapes and for large-area plant components.

KALEA can be applied to most metallic, mineral, ceramic and organic subsurfaces - even overhead.

Quality features

KALEA is made with the aim of achieving best possible wear resistance and slide promoting.

KALEA is elastic and very resistant against most varying chemicals.

Product properties

Feature	Unit	Data
Density	g/cm ³	1,1
	lb/ft ³	69
Hardness	Shore D	62
Mechanically loadable after	minutes (at 20 °C / 68 °F)	30
End hardness	days	2
Layer thickness	mm	2 ... 20
	ft in	0' 0-01/16" to 0' 0-13/16"
Max. application temperature	°C	130
	°F	266

Due to the manufacturing process, it is not possible to exclude small variations in the properties of the product. These are, for example, tolerances with respect to dimensions, outer appearance, and surface.

Approximate figures are given for all technical data. They are based on assessment of tests on specific samples and cannot be considered as a guarantee for which Kalenborn would have to assume legal responsibility.

Subject to technical changes and errors.

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Product description

For rapidly applying a thin, jointless coating to large surfaces or pipes, Kalenborn offers KALEA, a sprayable material with its own application technology.

Installation

Preparation of metallic surfaces

The surface shall be clean and dry. Sand blasting SA 2.5. Primer to be applied additionally, if necessary.

Preparation of mineral, ceramic, organic surfaces (e.g. rubber or foamed material)

The surface shall be clean and dry. If necessary, application of primer required.

Preparations

- | | |
|-------------------------------------|-----------------------------------|
| • Ambient temperature | 10 °C ... 30 °C / 50 °F ... 86 °F |
| • Product and component temperature | 10 °C ... 30 °C / 50 °F ... 86 °F |

Note:

Use and handling of KALEA requires particular care. The information given in the safety datas sheets shall be definitely observed.

Working

KALEA is sprayed on the surface to be lined by the Kalenborn coating machine by qualified personnel.

Advantages

KALEA offers a wide range of application possibilities. Due to the product properties, KALEA achieves best possible wear resistance and slide promotion. The KALEA lined surface is jointless and resistant to various chemicals.

Application examples

- Bunkers
- Channels
- Chutes
- Cyclones
- Deflection hoods
- Dust collecting channels
- Gas cleaning systems
- Hoppers
- Hydraulic conveying systems
- Pipes / bends
- Pneumatic conveying systems
- Separators
- Silos
- Tanks
- Troughs