

PRODUCT FEATURES

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Here you will find an application video:



KEMSHAPE

Representation of sealing surface damage

- » 2-component impression paste
- » 3-dimensional representation
- » Easy handling



The set contains:

- » Base paste
- » Catalyst paste
- » Disposable gloves – latex powder-free
- » 2 wooden spatulas
- » Brass cleaning brush
- » Emery paper
- » Cleaning cloth
- » Return envelope (unstamped)



2020 Edition | Printing and typesetting errors excepted

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DESCRIPTION

KemShape was developed for the evaluation of surface sealing damage.

This allows damage to flange sealing surfaces to be represented in 3 dimensions, completely independent of the type and shape of the sealing surface, and independently of the flange materials or surface properties.

Theoretical, assembly-related basics of the sealing system.

FUNCTION

The impression material is prepared in equal parts from a Base and a Catalyst. When the two components are mixed, a modelling compound similar to plasticine is produced, which is then applied to the damaged areas of the sealing surface. When applying the impression material, make sure that the entire area of the sealing surface is covered from the outside diameter of the sealing strip to the inside diameter of the flange.

When the impression material is pressed on, it produces a detailed 3-dimensional image of the surface damage.

After application and pressing, the impression material must harden for approx. 3 to 6 minutes and can then be carefully removed. After detachment, the result can be directly assessed, macroscopically. All details are clearly visible in the impression.



EVALUATION

Evaluation of the damage

- » Classification of damage
- » Testing of damage for reliable sealing through proven sealing types, sealing materials in combination various soft materials
- » Short report with the most important features and reasons
- » Recommendation for the sealing surface treatment

In case of optimisation (additional offer)

- » Calculation report with assumptions, inputs and results for the affected flange connection
- » A calculated tightness test for the affected connection, taking into account the damage determined
- » Targeted assembly instructions, tailored to the affected connection, stating the assembly values in terms of bolt force, assumed friction coefficients, and the resulting tightening torques as well as the tools and tightening methods to be used.
- » Other circumstances to be considered in order to ensure reliable sealing