

IA 103 Nut Lock

IA 103 is one - component anaerobic medium viscosity adhesive. It is medium strength threadlocking. It is used to lock the threads of screwed joints of all sizes. Medium strength of this product allows the screwed joint to be taken to pieces by using ordinary tools. **IA 103** cures quickly and reliably on most metal surfaces. The curing can be speeded up using the Activator AC 64.

IA 103 doesn't run down, doesn't drop and it remains firm after using. The components slide together better after the application, because they are lubricated by the adhesive. It is easy to use **IA 103**, the colour of the product is dark blue. After the curing it seals well and it is resistant to vibrations, breaks and excessive twisting. You can dismantle the parts using the standard tools. Applying strength the part will break, but the curing layer can stand more screwing before breaking and that is why the components themselves cannot dismantle accidentally.

IA 103 prevents the screw joints to be loosened by vibration. It prevents against the leaking and against the corrosion of screw joints.

Application:

This product replaces the protective washers and plastic pads. It locks the screws, threads and hydraulic systems of screws of the mechanical control (entering) tools. It is used on screws/ gearbox drive shafts, screws on the bearing covers, on screws with flush head, on screws of belt conveyor and construction machinery.

Chemical characteristics: **IA 103** is based on di-methacrylate resin.

General characteristics:

Colour : blue

Corrosivity : none

Flash point : > 100°C

Maximum gap: up to 0.15mm

Shelf life : 12 months (store at 0°C a +5°C)

Specific weight : 1.05 g/cm³

Toxicity : none

Temperature Limit : -50°C až +150°C

Viscosity : 2000-5000 mPas @ 20°C

Performance characteristics:

Strength Typical Value

Breake Moment 9 - 18 N/mm²

Separation Moment 20 N.m

Tensile Shear Strength 7 - 12 N/mm² * Tested on M10 screws



Application:

IA 103 is recommended for medium strength threadlocking e.g.:

Locking of nuts, screws, countersunk screws, shanks. It can be used also on hydraulic joints.

The Specified values are average and do not represent specifications.

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