



— NautiChem S40

Strong tenacious-elastic bonding and sealing compound based on high grade MS polymers

- » excellent adhesion to most surfaces without additional priming, e.g. glass, various paints and primers, many types of synthetics, metals, wood, and mineral materials
- » resistant to weather, moisture and temperatures between -40 °C and $+90\text{ °C}$ (over a short period up to $+200\text{ °C}$)
- » can be coated with most types of paint* (for functional reasons, however, it is generally not recommended to coat sealed expansion joints with paint)
- » equipped with a fungicidal agent to prevent mildew
- » free of organic solvents, isocyanates and halogens, and is not subject to marking as hazardous

Technical Properties

Chemical basis	MS polymers, 1-component, moisture curing**
Application temperature	$+5\text{ °C}$ to $+40\text{ °C}$
Consistency	paste-like, non-sag
Colour	black, white, grey, transparent, brown
Density	$1,5\text{ g/cm}^3$
Skin forming time	10 minutes
Curing speed	3 mm within the first 24 hours
Shrinkage	$< 3\%$
Shore A	55
Tensile strength	$2,8\text{ N/mm}^2$ (DIN 53504/S2)
Tensile shear strength	$2,3\text{ N/mm}^2$
Elongation at break	$> 200\%$ (DIN 53504/S2)

Units

75 ml tube (black, white, transparent)
310 ml cartridge

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* Preliminary testing is recommended. The curing of alkyd resin based paints can be decelerated significantly.

** For the extensive bonding of impermeable materials we recommend our elastic 2-Component Adhesive P-Bond.



Certificates

NautiChem S40 complies with IMO standard A653.



Shelf Life

Under moderate storage conditions: minimum 12 months.

Application Instructions

Preparation

Surfaces must be clean, dry and free of grease. Compatibility with specific paints and synthetics should be tested individually. For optimal adhesion to absorbing materials, such as wood, we recommend to prime the surfaces with NautiChem Primer HG1.

Application

For bonding, NautiChem S40 is applied to one part only by means of a caulking gun straight from the cartridge. The parts to be glued must be fitted together and, if necessary, fixed within 10 minutes.

For sealing fill the joint with NautiChem S40 and, with the help of a spatula or similar, smooth out the surface before skin forms.

NautiChem S40 cures by reacting with humidity. The curing speed depends on the temperature, humidity, and the thickness of the layer.

Safety Information

NautiChem S40 is not considered a hazardous substance according to EU regulations. Nevertheless, the general safety precautions for handling chemicals should be observed. The product contains N-(3(Trimethoxysilyl)-propyl)-ethylendiamin. It may cause allergic reactions.

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Note: All information given above is based on extensive tests and given in good faith but without guarantee. The suitability of a product for a certain application or application method must be examined individually.