

## High-Shore

**Permanently elastic, 1 component high shore adhesive based on SMP. Very wide adhesion range. Fulfils the requirements of the international maritime organisation IMO.**

### Technical data

|                                            |                                 |
|--------------------------------------------|---------------------------------|
| Chemical base                              | Silane modified polymer         |
| Mechanism of curing                        | 1 comp. moisture curing         |
| Consistency                                | stable                          |
| Tooling time                               | max. 10 min.                    |
| Curing rate after 24h                      | ≥ 2.0 mm                        |
| Curing rate after 48h                      | ≥ 4.0 mm                        |
| Shore-A-hardness, DIN ISO 7619-1           | 55                              |
| Tensile strength DIN 53504 S2*             | ca. 3.1 N/mm <sup>2</sup>       |
| Modulus elongation at 100%, DIN 53504 S2 * | ca. 1.8 N/mm <sup>2</sup>       |
| Elongation at break, DIN 53504 S2 *        | ca. 300%                        |
| Density                                    | 1.53 +/- 0.05 g/cm <sup>3</sup> |
| Volume change, DIN EN ISO 10563            | ≤ 6%                            |
| Temperature resistance after curing        | - 40 °C to + 90 °C              |
| Application temperature                    | + 5 °C to + 40 °C               |

All measurements were performed under normal conditions (23 °C and 50 % relative humidity).

\* The data are based on measurements after 3 months.

### Application

The neutral polymerisation allows a connection without thermal or chemical pre-treatment of the assembly parts. Areas: shipbuilding, metal, equipment, machinery, electrical, plastics, car body, wagon, vehicle and container. Avoid contact points to non-system adhesives and sealants of other manufacturers. Counterbalancing tolerances. Contact with adhesives and sealants from other manufacturers must be avoid.

### Substrate range

Suitable materials are metals, powder-coated, varnished, galvanised, anodised, chromed or hot zinc dipped surfaces, various plastics, ceramics, stone, concrete and wood. Due to the large variety of different plastics and compositions as well as materials which are susceptible to cracks, preliminary tests are recommended.

### Meets the standards

- IMO FTPC Parts 2+5

To qualify your product, please note that an appropriate test certificate must be issued on your name for most standards. For further information we are at your disposal.

# Technical data sheet High-Shore

## Paint compatibility

Due to the diversity of varnishes and paints on the market we recommend preliminary tests. Using paints based on alkyd resins may delay the drying process. After cleaning with acetone joints can be varnished at any time. For burning process the material can be exposed, when fully cured, in short term to elevated temperatures.

## Chemical resistance

- Good against water, aliphatic solvents, oils, grease, diluted inorganic acids and alkalis
- Moderate against esters, ketone and aromatics
- Not resistant against concentrated acids and chlorinated hydrocarbons
- Weatherproof and resistant to aging

## Shelf life and storage conditions

- Shelf life depending on packaging
- Store cool and dry (10 - 25 °C)
- Further information on request

## Work and environmental safety

Important information about work and environmental safety is available on the material safety data sheet.

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