

# TECHNICAL DATA SHEET

## DOLPHIN CS 100 Sealant

Revision Date: 18.09.2025

Revision No: 01

Number of Pages: 2

## PRODUCT DESCRIPTION

**Dolphin CS 100 sealant** is a high quality sealant and adhesive based on hybrid technology. It is crafted to quickly seal typical joints, providing superior performance and lasting durability.

## TECHNICAL PROPERTIES



| Properties                                       | Specifications          |
|--------------------------------------------------|-------------------------|
| Basis                                            | Hybrid                  |
| Consistency                                      | Stable paste            |
| Curing system                                    | Moisture curing         |
| Specific Gravity @ 25°C                          | 1.24 ± 0.02 g/ml        |
| Skin over time* (25°C/50% R.H.)                  | 15-20 min               |
| Tack free time * (25°C/50% R.H.)                 | Approx.25 min           |
| Flow (sag or slump)                              | Non-Sag                 |
| Depth cure 24 hr*                                | 2 - 3 mm                |
| Tensile Strength** (ASTM D412)                   | > 0.6 N/mm <sup>2</sup> |
| Elongation at break** (ASTM D412)                | > 150 %                 |
| Hardness**(ASTM D2240)                           | 27 - 33 Shore A         |
| Application Temperature (°C)                     | +5 to +40               |
| Service Temperature, (°C)                        | -20 to +80              |
| Volatile Organic Content – VOC (g/L) (USEPA -24) | < 25 g/L                |

Note:

\*These values may vary depending on environmental factors such as temperature, moisture, and type of substrates.

\*\* This information relates to fully cured product.

(Information on this data sheet is subject to change without prior notice and should not be used for writing specifications)

(Curing time may vary depending on climatic condition during application)

## PROPERTIES

- Very easy to apply
- Permanently elastic after curing
- Excellent UV resistance and long term durability
- Very good adhesion to common substrates construction
- Paintable

## APPLICATIONS

- Common construction joints
- Perimeter joints around windows and doors
- Door hinges, skylights
- Sealing of shrinking joints in concrete floors
- Air conditioning equipment, flashing and gutters
- Corner moldings, bumper assemblies, fabrication joints

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                      |    |    |    |    |    |                      |   |   |   |    |    |                             |    |     |   |   |   |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----|----|----|----|----|----------------------|---|---|---|----|----|-----------------------------|----|-----|---|---|---|
| Application method               | <ul style="list-style-type: none"><li>Application method: conventional caulking equipment</li><li>Cleaning: Clean with solvents like mineral spirits and Xylene, immediately before curing. Cured <b>Dolphin CS 100 sealant</b> can only be removed mechanically</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |    |    |    |    |    |                      |   |   |   |    |    |                             |    |     |   |   |   |
| Packaging                        | Color: White<br>Packaging: 600ml (Sausage)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |    |    |    |    |    |                      |   |   |   |    |    |                             |    |     |   |   |   |
| Storage and shelf life           | 12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                      |    |    |    |    |    |                      |   |   |   |    |    |                             |    |     |   |   |   |
| Substrates                       | <p>Substrates: all usual building substrates, metals</p> <p>Nature: rigid, clean, dry, free of dust and grease.</p> <p>Surface preparation: <b>Dolphin CS 100 sealant</b> has a good adhesion to most substrates. However, for optimal adhesion and in critical applications, such as joints exposed to extreme weather conditions, high- or water-loaded joints, we recommend following a pre- treatment procedure. The substrate areas that will be in contact with sealant must be clean, dry, and free of all loose materials, dust, dirt, rust, oil and other contaminants. Non - porous substrates should be cleaned with a solvent and a clean, lint - free, cotton cloth. Wipe dry immediately with another such cloth before the solvent evaporates from the surface. There is no adhesion on PE, PP, PTFE (Teflon®) and bituminous substrates. We recommend a preliminary adhesion and compatibility test on every surface.</p> |                      |    |    |    |    |    |                      |   |   |   |    |    |                             |    |     |   |   |   |
| Joint dimensions                 | <p>Length in meter per 600 ml sausage: <math>L = 600 / (W \times D)</math></p> <table><tr><td>Joint width – W (mm)</td><td>10</td><td>12</td><td>15</td><td>20</td><td>25</td></tr><tr><td>Joint depth – D (mm)</td><td>6</td><td>8</td><td>8</td><td>10</td><td>12</td></tr><tr><td>Joint length – L (m/600 ml)</td><td>10</td><td>6.2</td><td>5</td><td>3</td><td>2</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Joint width – W (mm) | 10 | 12 | 15 | 20 | 25 | Joint depth – D (mm) | 6 | 8 | 8 | 10 | 12 | Joint length – L (m/600 ml) | 10 | 6.2 | 5 | 3 | 2 |
| Joint width – W (mm)             | 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 12                   | 15 | 20 | 25 |    |    |                      |   |   |   |    |    |                             |    |     |   |   |   |
| Joint depth – D (mm)             | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 8                    | 8  | 10 | 12 |    |    |                      |   |   |   |    |    |                             |    |     |   |   |   |
| Joint length – L (m/600 ml)      | 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6.2                  | 5  | 3  | 2  |    |    |                      |   |   |   |    |    |                             |    |     |   |   |   |
| Health and safety recommendation | Take the usual labor hygiene into account. Consult label and material safety data sheet for more information.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                      |    |    |    |    |    |                      |   |   |   |    |    |                             |    |     |   |   |   |
| Liability                        | The content of this technical data sheet is the result of tests, monitoring and experience. It is general in nature and does not constitute any liability. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                      |    |    |    |    |    |                      |   |   |   |    |    |                             |    |     |   |   |   |
| Remarks                          | <p><b>Dolphin CS 100 sealant</b> is paintable with most water-based paints, however due to the large number of paints and varnishes available we strongly suggest a compatibility test before application.</p> <p><b>Dolphin CS 100 sealant</b> cannot be used as a structural sealant.</p> <p>Do not use in applications where continuous water immersion is possible. It is recommended to do a compatibility test prior to application.</p> <p><b>Dolphin CS 100 sealant</b> has a good UV resistance but can discolor under extreme conditions or after very long UV exposure.</p> <p>Do not apply on contaminated surfaces.</p> <p>Contact with bitumen, tar or other plasticizer releasing materials such as EPDM, neoprene, butyl, etc. is to be avoided since it can give rise to discoloration and loss of adhesion.</p>                                                                                                         |                      |    |    |    |    |    |                      |   |   |   |    |    |                             |    |     |   |   |   |

KEEP OUT OF REACH OF CHILDREN • KEEP CONTAINER TIGHTLY CLOSED • FOR INDUSTRIAL & PROFESSIONAL USE

The information and data contained herein is believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of use. Since the supplier cannot know all the uses, or the conditions of use to which these products may be exposed, no warranties concerning the fitness or suitability for a particular use or purpose are made. AMI reserves the right to change the properties of its products without notice.