

# Technical Datasheet

Meltell® 310 white

Meltell® 320 black

Meltell® 330 grey

**Updated on:** March 22, 2021

**Distributor:** SIGA Cover Inc.

**Type of application:** Sealing of joint connections for windows, doors and facades, leakages, cracks and penetrations indoors and outdoors

**Packaging unit:** 20 cartridges / box  
12 sausages / box

**Composition:** 1-component hybrid polymer sealant.  
Solvent- and isocyanate-free, low odour, can be painted and varnished.

**Compliances:**

- ✓ ASTM C 920, Type S, Grade NS, Class 25, Use NT, Mortar (M), Anodized Aluminum (A), Vinyl (O), Wood (W)
- ✓ Federal Specification TT-S-00230C, Type II, Class A

## Characteristics:

| Property                       |                                 | Standards  | Unit                 | Values                                |
|--------------------------------|---------------------------------|------------|----------------------|---------------------------------------|
| <b>Packaging</b>               | Cartridge<br>Tubular bag        |            | fl.oz (mL)           | 10.48 (310)<br>20.28 (600)            |
| <b>Colour</b>                  |                                 |            |                      | black / grey / white                  |
| <b>Density</b>                 | at 23° C                        |            | [g/cm <sup>3</sup> ] | 1.5                                   |
| <b>Temperature resistance</b>  |                                 |            | °F<br>°C             | -40 °F to +194 °F<br>-40 °C to +90°C  |
| <b>Application temperature</b> |                                 |            | °F<br>°C             | 14 °F to +104 °F<br>-10 °C to + 40 °C |
| <b>Movement capability</b>     |                                 | ASTM C 719 | %                    | ±25                                   |
| <b>Rheological</b>             | Sag in vertical displacement    | ASTM C 639 |                      | No sag                                |
| <b>Hardness</b>                | Shore A, at standard conditions | ASTM C 661 |                      | 16                                    |
| <b>Weight loss</b>             | After heat aging                | ASTM C1246 | %                    | 1.1                                   |

|                                          |                                                                                                               |                           |     |                                            |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------------------|-----|--------------------------------------------|
| <b>Tack-Free Time</b>                    |                                                                                                               | ASTM C 1246               | min | 110                                        |
| <b>Stain and color change</b>            |                                                                                                               | ASTM C 510                |     | Pass<br>(No visible stain or color change) |
| <b>Bond durability</b>                   |                                                                                                               | ASTM C 719                |     | Pass                                       |
| <b>Adhesion-in-Peel</b>                  | Mortar unprimed                                                                                               | ASTM C 794                | lbf | 19                                         |
|                                          | Anodized Aluminum unprimed                                                                                    |                           | lbf | 31                                         |
| <b>Effects of accelerated weathering</b> | After accelerated weathering                                                                                  | ASTM C 794/<br>ASTM C1442 |     | Pass                                       |
|                                          | After cold exposure and low temperature bend                                                                  |                           |     | Pass                                       |
| <b>Skin formation time</b>               | at 23°C/50% rLf                                                                                               |                           | min | 20-30                                      |
| <b>Curing/drying-through in 24h</b>      | at 23°C/50% rLf                                                                                               |                           | mm  | 2-3                                        |
| <b>Prerequisite for a secure bond</b>    | Substrates must be dust and grease-free and non-repelling. Clean substrates and test adhesion before bonding. |                           |     |                                            |
| <b>Shelf life</b>                        | 12 months when properly stored                                                                                |                           |     |                                            |