



Jowat-Toptherm® 845.10



Spacer beads, e.g. for roof tiles

Good adhesion and low blocking tendency

Outstanding resistance to oxidation and colour stability in the melt

Can be applied by automated units or handguns with nozzle applicators

Apart from securing packages against slipping, adhesives also protect goods against damage such as scratches or breaking during transport or storage. **Jowat-Toptherm®** hot melt adhesives, for instance, are applied as spacer beads on the underside of roof tiles, floor tiles or also glass panes. These adhesives are characterised by special properties: A fast build-up of strength and high pressure resistance to ensure that they keep their shape under the load of several roof or floor tiles stacked on top of each other. In addition, they have a good adhesion to the underside of the carrier substrate but do not leave marks on the materials underneath them.

Adhesives used for this application so far have been based on polyamide. However, they only have low resistance to thermal oxidation.

This leads to massive contamination, significant maintenance work, and generally a high susceptibility to disruptions in the process.

Jowat-Toptherm® 845.10 is based on innovative raw materials with superior resistance to oxidation. By using **Jowat-Toptherm® 845.10**, tile manufacturers can therefore increase machine efficiency and reduce maintenance costs as well as downtimes to a minimum.



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|----------------------------------|---------|-------------------|
| Processing temperature | [°C] | 180 – 200 |
| Viscosity (Brookfield at 180 °C) | [mPas] | approx. 1,400 |
| Softening range (Kofler bench) | [°C] | approx. 180 |
| Density (at 20 °C) | [g/cm³] | approx. 0.91 |
| Appearance | | colourless opaque |

Oxidation stability

Left: Standard polyamide adhesive | Right: Jowat-Toptherm® 845.10



0 h @ 190 °C



8 h @ 190 °C



16 h @ 190 °C



24 h @ 190 °C

The information given in this leaflet is based on test results from our laboratories as well as on experience gained in the field, and does in no way constitute any guarantee of properties. Due to the wide range of different applications, substrates, and processing methods beyond our control, no liability may be derived from these indications nor from the information provided by our free technical advisory service. Before processing, please request the corresponding data sheet and observe the information in it! Customer trials under everyday conditions, testing for suitability at normal processing conditions, and appropriate fit-for-purpose testing are absolutely necessary. For the specifications as well as further information, please refer to the latest technical data sheets.