

| Products                       | Description                                                  | Application                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| <b>LUVOTIX®<br/>ATAC L 100</b> | Hydrophobically-modified associative thickener based on HASE | LUVOTIX® ATAC L 100 is a hydrophobically-modified associative thickener used in waterborne adhesives, sealants, paints and coatings to improve both storage stability and sag resistance and settling behavior. LUVOTIX® ATAC L 100 produces a highly pseudoplastic flow profile in waterborne formulations and is particularly recommended to increase viscosity in the low to medium shear range.                             |
| <b>LUVOTIX®<br/>ATAC M 400</b> | Non-associative thickener, based on ASE                      | LUVOTIX® ATAC M 400 is a VOC-free non-associative thickener for waterborne formulations and is used in paints, coatings as well as sealants and adhesives to improve color acceptance and wet abrasion. LUVOTIX® ATAC M 400 produces a highly pseudoplastic flow profile in waterborne formulations and is particularly recommended to increase the viscosity in all shear ranges.                                              |
| <b>LUVOTIX®<br/>ATAC H 700</b> | Hydrophobically-modified associative thickener based on HASE | LUVOTIX® ATAC H 700 is a hydrophobically-modified anionic thickener for waterborne adhesives, sealants, paints, lacquers, and protective coatings. Use of LUVOTIX® ATAC H 700 improves the storage stability, levelling, and anti-splash system properties. LUVOTIX® ATAC H 700 produces a Newtonian flow profile in waterborne formulations and is particularly recommended to increase the viscosity in the high shear range. |