

Thickener Type	Texture	Dropping Point, °C	Condition after Heating to 200°C & Cooling	Max. Temperature (prolonged use), °C	Water Resistance	Resistance to Softening (upon working at room temperature)
Calcium Soap (lime water stabilised)	Buttery, smooth	85 – 105	Soap and oil separate	70 - 80	Excellent. Water Repelling	Fair to Good
Calcium Hydroxy-stearate (anhydrous)	Buttery, smooth	140 - 150	Soap and oil separate	110 - 115	Excellent. Water Repelling	Excellent
Calcium Complex	Buttery or Fibrous	260 - 300	Hardens. Approaches original consistency on working	120 - 150	Excellent	Excellent
Sodium Soap	Fibrous	175 – 180	Hardens. Approaches original consistency on working	120 - 125	Susceptible (emulsifies)	Fair
Sodium Mixed Base	Buttery	175 - 200	Hardens. Approaches original consistency on working	120 - 125	Susceptible (emulsifies)	Fair
Aluminium Soap	Gel, smooth	90 - 110	Becomes brittle upon cooling	70 - 80	Good	Poor to Fair
Aluminium Complex	Gel, smooth	240 - 270	Slight Hardening	160 - 175	Excellent	Good to Excellent
Barium Complex	Fibrous	210 - 220	Slight Hardening	125 - 140	Excellent	Good
Lithium Soap	Buttery, smooth	175 – 200	Soap and oil may separate	120 - 140	Good	Excellent
Lithium Mixed Base	Buttery, smooth	175 - 200	Soap and oil may separate	120 - 140	Very Good	Fair to Good
Lithium Complex	Buttery, smooth	260 – 290	Little change if worked	165 - 175	Excellent	Excellent
Organo Clay - bentonite	Buttery, smooth	N/A	Little change if worked	150 - 175	Very Good	Very Good
Polyurea	Buttery, smooth	240 - 260	Little change if worked	165 - 175	Excellent	Excellent
Calcium Sulphonate Complex	Buttery, smooth	> 300	Little change if worked	195 - 205	Excellent	Excellent