



**QUAKER COLOR**  
A Step Ahead...

## Q-Add: Additives for Leather Finishing

**Silica based filler/duller-** Resin free silica based duller used to reduce gloss, increase coverage and improve the stacking, embossing and handling properties of water base polymers and base coats.

**Protein Binder-** General purpose protein binder to improve gloss and reduce tackiness.

**Wax-** High Solid, High Efficiency plate releasing wax, improves the wet rub properties and surface feel. For use in base and topcoats.

**Thickeners-** Can be used effectively to control viscosity and flow of base coat and topcoat formulations.

**Flow agent-** To be used as a leveling and wetting aid for water borne coatings on difficult to wet or non-absorbing substrates to reduce the surface tension of the water based coating.

**Defoamer-** Very effective for eliminating bubbles in roll base coats and foam in pigment dispersions, spray base coats, and topcoats.

**Matting agent-** A high efficiency flattening agent of unique chemistry, for high opacity base coats and topcoats without over loading the grain causing harsh and course feel, increases opacity and plate release and reduce gloss. Especially beneficial in filling smooth and corrected grain finishes.

## Filler

Product	Base	PH / Nature	Appearance Charge	Total Solids	Uses / Benefits
<b>Q-Add AD-595</b>	Resin free Silica duller	7.0-9.0	Whitish Liquid	21±2	A resin free, silica based duller used to reduce gloss, increase coverage and improve the stacking, embossing and handling properties of water base polymers and base coats. Recommended use is 5-10% of total formula weight. <b>Q-Add AD-595</b> is not recommended for use in topcoats. Matting agent filler that increases opacity and thereby imparts excellent covering, plate release and reduced gloss. It is especially beneficial in filling smooth, corrected grain finishes. High levels can be used, but limits should be determined by physical testing. It helps in hiding defects of leather surface. Can be used for all types of leather finishes.

## Protein Binder

<b>Q-Add PB-1032</b>	Fine Quality Casein	8.0-10/ Medium Soft	Amber Liquid	13±2	<b>Q-Add PB-1032</b> forms slightly hazy medium hard transparent film with good gloss and smooth touch. Improves gloss of the finish and helps in reducing tackiness on hot plating and embossing. Imparts good filling effect with good covering and improves scuff resistance with good feel. Can be used along with acrylic and polyurethane dispersions for all types of Full Grain and Corrected Grain leather finishes.
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## Waxes

<b>Q-Add AW-26</b>	Fine Quality Synthetic wax	6.0-8.0 / Soft	Whitish Liquid / Anionic	47±2	High solid, high efficiency plate releasing wax for use in base and topcoats. <b>Q-Add AW-26</b> improves the wet rub properties of the finish and does not detract from the flexibility and abrasion resistance of the base coat. When used in leather finishes it improves fullness, handle and smoothness of leather surface. Imparts natural and nice warm handle, level absorption, and improves filling and hot plating properties of base formulations. Suitable for use in all types of leather finishes.
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## Thickeners

<b>Q-Add AM-71</b>	Based on thixotropic	3.5-5.5	Whitish Liquid	15±2	An alkali swellable, thixotropic type of thickener for viscosity control of all coatings. It is activated at lower pH range than conventional acrylic thickeners; therefore it imparts better stability to the mixes by minimizing pigment flocculations and color drift of the formulation. Can be used either on its own or in combination with <b>Q-Add AM-80</b> for a low shear/ high shear balance of viscosity for roller coat applications. The water resistance of the coating is affected to a lesser extent than other types of thixotropic thickeners.
<b>Q-Add AM-75</b>	Rheology modifier	3.5-5.5	Whitish Liquid	9±2	A unique product that combines the properties of an alkali swellable and associative thickener in one product. Can be used effectively to control viscosity and flow of base coat and topcoat formulations. <b>Q-Add AM-75</b> is activated at a lower pH range than conventional acrylic thickeners; therefore it imparts better stability to the mixes by minimizing pigment flocculation and color drift of the formulation. Can be used either alone or in combination with <b>Q-Add AM-80</b> for a low shear/ high shear balance of viscosity for roller coat applications. The water resistance and physical properties of the final coatings are affected to a lesser extent than other types of competitive thickeners.
<b>Q-Add AM-80</b>	Hydrophobic Chemistry	N.A	Translucent Liquid	32±2	A Rheological additive based on a new hydrophobic chemistry different from the ethoxylated urethane thickeners. <b>Q-Add AM-80</b> provides efficient thickening independent of pH and maintains its viscosity under high shear. <b>Q-Add AM-80</b> is designed for roller coater or other high shear applications but it has proven to be very useful in base coat and color coat airless and air-assisted spray applications.

## Rheology Modifier- Flow Agent

Product	Base	PH / Nature	Appearance Charge	Total Solids %	Uses / Benefits
<b>Q-Add BS-088</b>	Based on Fluoro surfactants	6.0-8.0	Clear Liquid	5.0±2	A flow aid package based on fluorosurfactants, to be used as a leveling and wetting aid for water borne coatings on difficult to wet or non-absorbing substrates. Used at low levels of 1-4% will reduce the surface tension of the water based coating to the low twenties dynes/cm surface tension.

## Rheology Modifier- Defoamer

<b>Q-Add AF-715</b>	Unique Composition	N/A	Amber Liquid	95±2	A unique defoamer with Zero VOC for use in aqueous base coats and topcoats. Due to its unique structure, <b>Q-Add AF-715</b> is less likely to cause surface defects such as fisheyes or pinholes. <b>Q-Add AF-715</b> is a very effective defoamer for eliminating bubbles in roll base coats and foam in pigment dispersions, spray base coats, and topcoats. Typical use levels are 0.1 to 0.5%. Care should be taken not to exceed levels especially in topcoats.
<b>Q-Add BS-271</b>	Silicone based chemistry	6.0-8.0	Milky Liquid	36±2	A defoamer package based on silicone chemistry for use in aqueous base coats and topcoats. Because of its unique chemistry and structure, <b>Q-Add BS-271</b> is less likely to cause surface defects such as fisheyes or pinholes. <b>Q-Add BS-271</b> is also an effective defoamer for eliminating bubbles in roll base coats and foam in pigment dispersions. Typical usage levels are 0.1 to 0.25%. Care should be taken not to exceed these levels.

## Matting Agent / Duller

Product	Base	PH / Nature	Appearance Charge	Total Solids %	Uses / Benefits
<b>Q-Add AD-35S</b>	Unique Matting chemistry	8.0-10.0	Milky Liquid	15±2	A high efficiency flattening agent of unique chemistry, which results into high opacity base coats and topcoats without overloading the grain causing harsh and course feel, increases opacity, plate release and reduced gloss. Especially beneficial in filling smooth and corrected grain finishes. Flattening agent <b>Q-Add AD-35S</b> is suitable for use in water topcoat applications with all types of emulsions and other water based resins.
<b>Q-Add BS-306</b>	Silica base Flattening agent	8.0-10.0	Trans-lucent	10±2	High efficiency silica based flattening agent. Suitable for use in all water based topcoats. Flattening agent <b>Q-Add BS-306</b> imparts a smooth surface feel, exceptional clarity and excellent gloss control in water base topcoats. At a 60-degree gloss to 2.5 or less, the finish remains clear, resulting in vivid colors and jet blackness. Imparts good clarity at lowest gloss levels. Maximum resistance to stress whitening and longer pot life at all temperatures. When used in combination with the <b>Poseidon Binder AB-Series</b> of polyurethane resins, a variety of gloss levels can be achieved with good physical properties.