



# The Roof Reviver Professional Roof Coating System

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## **Fillers, Oxides and Thickeners**

Hard fillers generally relate to higher resin solids, and more oxide needed to achieve colour. They are more durable and water resistant, and oxides which are inorganic more resistant to UV. This has a direct bearing on the cost to produce a coating and the wear and tear on spray equipment.

Coatings which seem easier to spray and apply, generally are coatings with lower durability due to softer fillers, lower oxide content and resin solids.

Oxides need also to be strong enough to tint the paint to achieve the correct opacity. This means enough oxide so that you cannot see through the finished coating when the dry film thickness is achieved.

Oxides also need to meet light and heat fastness requirements, otherwise they can breakdown and bleed out of the coating over time.

Paint that is not thickened will run, regardless of solids contents. A thickener is added to achieve a build up without it running. However there is a misconception that thick paint means good quality. Water can be thickened also.

Overall, the ability to mix the correct resin, oxides and fillers, to achieve the desired result is an art, which comes from years of experience.