

Application Information

KBS Additives



Adhesion Promoter

For the highest level of adhesion that can be obtained with a clear coat over metals the use of **KBS Adhesion Promoter** is recommended.

KBS Adhesion Promoter will normally **increase adhesion levels by between 30-50%**. Note the use of KBS Adhesion Promoter does not guarantee good / perfect adhesion - KBS Adhesion Promoter will help raise the level of adhesion that is otherwise readily obtainable.

KBS Adhesion Promoter works only on metallic surfaces (commonly Steel, Brass, Copper, and Alloys) and only with the first coat of DiamondFinish Clear.

Prepare the surface as previously described for metal surfaces (refer to DiamondFinish Information Sheet).

Prepare the blend of DiamondFinish Clear and Adhesion Promoter:

Calculate the amount of DiamondFinish Clear you will need for the first coat (typical coverage of DiamondFinish Clear is 10 m² per L). For example, 200 mL

The amount of Adhesion Promoter needed is 10% of the volume of DiamondFinish Clear. For example, 20 mL

Pour the necessary quantity of DiamondFinish Clear into a separate container and then add the Adhesion Promoter to the DiamondFinish Clear and mix well. Ideally the Adhesion Promoter should be added into a vortex of stirred DiamondFinish Clear. If this is not possible, there may be a small amount of sediment and / or gel formation

Next add KBS #1 Thinners:

If spraying add approximately 20% thinners (e.g. 40mL).
If brushing, add approximately 10% thinners.

Mix well.

Allow the mixture to stand for 5-10 minutes then pour through a 190µ filter prior to use.

This mixture may be slightly cloudy – this has no effect on the final finish.

The mixture of KBS Adhesion Promoter and DiamondFinish Clear will thicken with time and have a relatively short shelf life – only prepare as much mixture as is needed. If spraying, be sure to pass the mixture through a filter when pouring it into the pot.

Apply a single thin covering coat of the mixture (DiamondFinish + Adhesion Promoter + Thinners) to the substrate (like a primer coat). Do not apply too thick or allow drips to form as this may significantly extend the curing time and time before recoat.

Allow the first coat to cure until it is touch dry (normally about 2-3 hours) then apply additional multiple coats of DiamondFinish Clear (without Adhesion Promoter) as normal.