

DEBEER REFINISH 1-350 ULTRA VELOCITY UV PRIMER

FREQUENTLY ASKED QUESTIONS



INCREASE YOUR PRODUCTIVITY WITH DEBEER 1-350



Where is DeBeer 1-350 Ultra Velocity UV Primer normally used?

DeBeer 1-350 Ultra Velocity UV Primer is designed for small car refinish repairs. DeBeer 1-350 Ultra Velocity UV Primer can be applied to suitably prepared steel, aluminium, galvanised steel, and automotive plastics. Always use an adhesion promoter on plastic substrates.

What is the repair process?

Refer to the TDS for your chosen 1-350 Ultra Velocity UV Primer product (liquid or aerosol).

What is the packaging?

DeBeer 1-350 Ultra Velocity UV Primer is available as either a 1L liquid primer with the 1-351 UV Thinner, or supplied in a convenient ready to use 400gram aerosol.

What benefits does the aerosol offer?

The aerosol allows for quick and convenient application, saving time on gun set up and cleaning. It is suited to jobs up to 20cm in diameter. It does not require the use of a compressor or spray equipment. In addition, there is no wastage from overmixing or disposal of catalysed product (compared to traditional two pack primers).

Once done, simply invert and spray the aerosol for 2-3 seconds and wipe the nozzle clean.

What benefits does the 1 litre liquid version offer?

The liquid version is designed for larger jobs. The prepared product has an indefinite potlife when stored in a UV resistant spray pot (with cap). The use of a dedicated gun is recommended for convenient access and application.

What is Ultraviolet (UV)?

Ultraviolet light, also known as UV radiation, is a type of electromagnetic radiation which is produced by the sun and some artificial light sources. UV rays are not visible to the human eye, and have different wavelengths measured in nanometres (nm). There are three classifications of UV light based on their wavelength, ultraviolet A (UV-A) 315-400 nm, ultraviolet B (UV-B) 280-315 nm, and ultraviolet C (UV-C) 100-280 nm. UV-A is most commonly used to cure paint coatings.

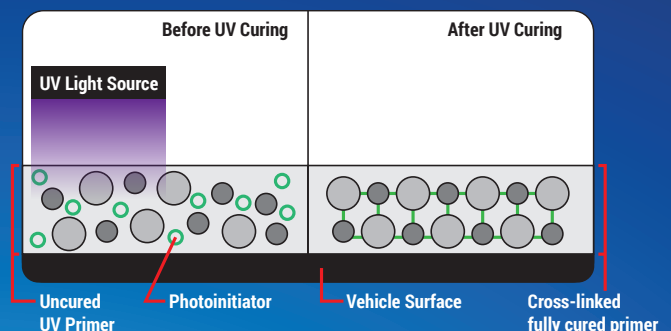
How does the DeBeer 1-350 Ultra Velocity UV Primer cure?

DeBeer 1-350 Ultra Velocity UV Primer cures when the photoinitiators within the coating are exposed to UV-A light. This process induces rapid polymerisation, resulting in a fully cured film in as little as 2 minutes.

In order to fully cure, the DeBeer 1-350 Ultra Velocity UV Primer MUST be fully exposed to UV light for the length for time specified in the TDS and as per the UV light manufacturers' recommendation. Under curing may occur if the surface is not exposed to UV light at the correct distance for the length of time required.

Will UV coatings cure in the sun?

Curing will occur in sunlight, however the intensity of the UV light emitted from the sun cannot be controlled. Therefore, it is only recommended to cure UV products with a suitable UV light.



Can I over cure the product?

No. The process of curing will cease when the photoinitiators are consumed resulting in a fully cured coating.

Why is the DeBeer 1-350 Ultra Velocity UV Primer transparent in colour?

DeBeer 1-350 Ultra Velocity UV Primer is transparent because UV light needs to penetrate through the coating in order for it to cure, if the product was opaque UV light transfer through the coating would not be possible. Care is required to not over apply the product.

What products are suitable to be used over the DeBeer 1-350 Ultra Velocity UV Primer?

DeBeer 1-350 Ultra Velocity UV Primer is compatible with DeBeer Refinish BeroBase 500 Series and DeBeer Refinish WaterBase 900+ Series.

What safety gear is required?

When applying the DeBeer 1-350 Ultra Velocity UV Primer it is recommended to wear suitable personal protective equipment including nitrile gloves, self-contained breathing apparatus, UV resistant safety glasses and suitable protective clothing. When curing the repair area using the UV light you must wear suitable protective equipment, including UV safety goggles and clothing to protect exposed skin from UV exposure. Avoid unnecessary UV exposure. Do not look directly into the UV light or shine the UV light into anyone's eyes. For more details on the required safety gear refer to the DeBeer 1-350 Ultra Velocity UV Primer SDS and the manufacturer's instructions for the UV Light.

Why is solvent cleaning required?

Cleaning is required prior to sanding to remove surface residue which forms during the curing process. Unlike competitors' products, there are no special wipes required for cleaning, simply wipe the surface with DeBeer Refinish 1-151 Uni Thinner to remove all residue and dry the surface with a clean cloth.

What UV light can I use to cure the product?

Any brand of UV-A light is suitable, however the strength of the UV light emitted from each product will differ, this will affect the cure time.

A film of 100 microns (at a curing distance of 40cm) using a 250 Watt UV-A LED light will require a dry time of 3 minutes, whilst a 400 Watt traditional gas bulb type which has a lower irradiance will take 5 minutes.

When curing, ensure that the drying equipment specifications are followed. If the distance of the light from the substrate doubles, the intensity of the light will decrease by four times. This is known as the Inverse Square Law. Therefore, it is important to set the light at the correct distance from the job.

What intensity of UV light is needed to cure the product?

DeBeer 1-350 Ultra Velocity UV Primer requires a UV light intensity of $>6\text{mW/cm}^2$ to cure in the specified time.

What precautions should I take when using the DeBeer 1-350 Ultra Velocity UV Primer?

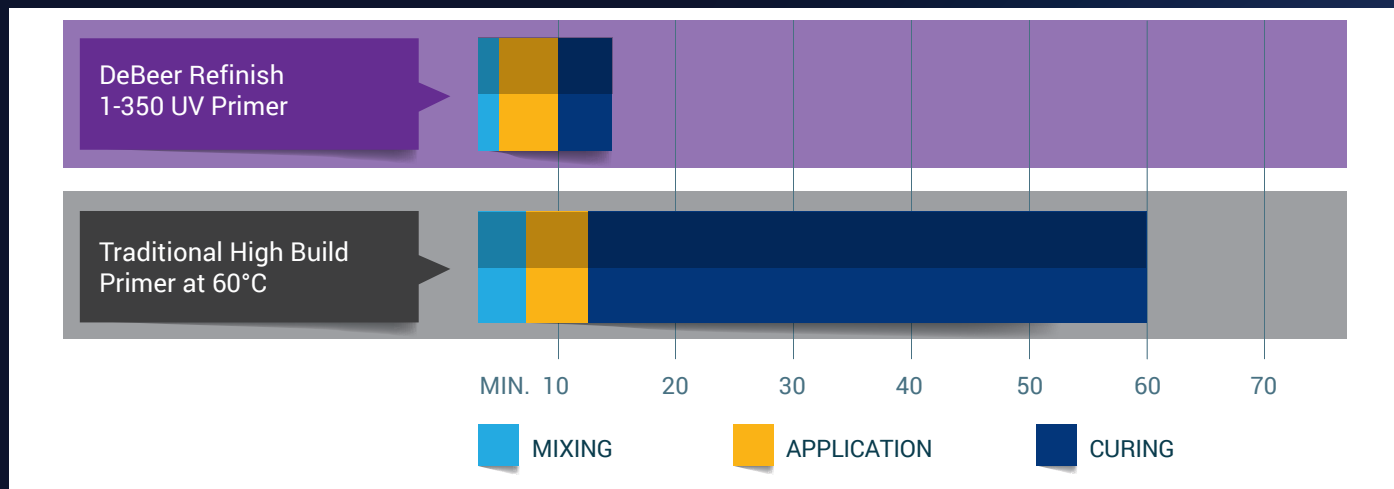
When using the DeBeer 1-350 Ultra Velocity UV Primer you must be mindful of the following:

- If using the liquid version, you MUST use a UV blocking opaque paint pot to ensure no light gets to the product.
- The film thickness impacts on curing timing. The higher the film thickness the longer the curing time required.
- Distance of the lamp from substrate will affect the intensity which will increase the curing time.
- LED lights will vary in intensity. Check the TDS and your UV light for drying equipment specifications.
- Curing must occur with the UV light in direct line of sight, areas outside this line of sight will not be cured.



How much time can I save compared to my existing primer?

By utilising the high speed curing of UV technology, as well as the fast application and minimal clean up of an aerosol, you can save up to 75% of your time by using DeBeer 1-350 Ultra Velocity UV Primer when compared to a traditional high build primer.



Where can I see more?

Scan the QR code below with your smart phone to view our DeBeer 1-350 Ultra Velocity UV Aerosol Primer video.



Who do I contact if I have any further questions?

For more information about DeBeer 1-350 Ultra Velocity UV Primer or any other DeBeer Refinish products, contact your local DeBeer Refinish distributor or contact Valspar Automotive.



Valspar Automotive Australia Pty Ltd
11/8 Kerta Rd, Kincumber NSW, 2251, AUSTRALIA
P: (02) 4368 4054
E: autoinfo@valspar.com

DBNZ Coatings Ltd
6 Killarney Lane, Hamilton · NEW ZEALAND
P: (64) 7847 0944 E: info@dbnz.co.nz
W: www.dbnz.co.nz