



## QUESTIONS AND ANSWERS

### AEROSOLS

#### GENERAL AEROSOL QUESTIONS

##### What is MIR?

The Maximum Incremental Reactivity (MIR) value of an aerosol is a measure of how much ground level ozone could be formed from the paint. It is therefore a measure of the potential contribution of the product to photochemical smog. There are regulations that govern the maximum MIR value allowed for different products and all U-POL products are compliant for the relevant MIR value for their category.

##### Are your aerosols compliant for California?

All of our premium range of aerosols (CLEAR #1 – E-Coat #12 inclusive) and our custom can offer are compliant with regulations for vehicle refinishing in California. Some Californian counties have chosen to consider WIPE #6 as a domestic cleaning product, for which classification it is not compliant. For that reason we ask customers in California to ensure that they are compliant with local regulations if they wish to purchase, use or distribute this product and do not offer it on general sale in the state of California.

##### Are your aerosols compliant for Canada?

All of our collision damage repair aerosols are available for sale in Canada and are fully compliant. Our RAPTOR range of aerosols are not currently available outside the US.

##### What temperature range can I apply your product between?

General application and best use practice is between 50 – 100F, depending on product and relative humidity is below 85%. Avoid painting in direct sunlight and hot, humid weather.

##### What temperature range can your aerosols withstand (ie. can I use it on / near exhaust pipes etc)?

Service range is typically up to 175F.

##### What are the best practice application tips when using aerosols?

Keep the aerosols you are going to use at room temperature for a couple of hours before use. Make sure you spray in a well ventilated area. When spraying we would recommend the use of PPE such as gloves, eye protection and face mask; refer to local guidelines for this. Read and follow instructions for surface preparation and application. Shake cans for a minimum of 2-minutes before use. Test the spray first to refine your application technique before spraying your item. As far as possible keep the aerosol can in an upright position while spraying typically 8"-12" from the object in short bursts to gradually build up the coating. After use turn aerosol upside down and spray to clear the dip tube and nozzle. Do not expose aerosol to high temperatures or direct sunlight.

##### How do I dispose of the aerosol after use?

Plastic parts may be recycled locally as well as the metal can if empty. Refer to your local waste disposal regulations.

#### HIGH #5

##### Can I use HIGH #5 for build after sealing with ACID #8?

Yes, HIGH #5 is ideal for overcoating ACID #8.

##### Do you get more shrinkage with an aerosol primer than a 2K primer?

This is a common perception of aerosols, although HIGH #5 gives less shrinkage than most other aerosol primers. This is because it provides a mil build similar to a 2K product, leading to minimal shrinkage when used / applied properly

##### Is HIGH #5 cellulose based?

No, HIGH #5 is based on high quality acrylic resins.

##### What build can I expect from a single coat of HIGH #5?

This depends on application technique, but typically 1.4 mil dry film build per coat.

##### What products can be used over HIGH #5?

Any common automotive coating.

##### Can I use HIGH #5 under RAPTOR?

Yes, although our recommended process for priming before RAPTOR is either an acid etch primer or an epoxy primer, HIGH #5 can be successfully used under RAPTOR.

##### Can I use HIGH #5 to fill in spots where a 2K primer (eg. UP2253) has been broken through during sanding?

Yes, HIGH #5 is perfect for this application.

#### CLEAR #1

##### How well does the gloss hold out of CLEAR #1 compared to a 2K clear?

CLEAR #1 has very good gloss hold out, better than other 1K aerosol clears and is suitable for many applications, but 2K clears generally give better gloss hold out than all 1K aerosol products, so are typically preferred for larger repairs.

##### Does CLEAR #1 give orange peel effect when sprayed?

CLEAR #1 is designed to give similar orange peel to an OEM clear. Obviously, unlike a 2K clear there isn't the possibility to add additional reducer to get a mirror flat finish.

**I am seeing blushing (whiteness in the dried product) with CLEAR #1 – why is this occurring?**

Under normal use we would not expect this to happen – it typically only occurs if the product is applied to a higher build than recommended in a single coat and/or the flash off time is not respected.

**I am seeing cracking in places where CLEAR #1 has been applied thickly – why is this occurring?**

If applied to a higher build than recommended, then cracking can occur as the product shrinks as it cures.

**Do you sell a matt or satin version of CLEAR #1?**

No – we only sell a high gloss version of CLEAR #1.

**Why does CLEAR #1 not have a ball in it?**

The balls in aerosols are there to help disperse powders and pigments in the product when you shake it before use. CLEAR #1 (and some of our other aerosols) do not have these ingredients so do not need a ball.

**GRIP #4**

**Is GRIP #4 available in larger set ups?**

No – the technology in GRIP #4 is only compatible with application from an aerosol.

**Do I need GRIP #4 when applying RAPTOR on fiberglass?**

An adhesion promoter is not needed on fiberglass prior to RAPTOR if the fiberglass is properly cleaned and sanded. In hard to reach/abrade areas we would recommend GRIP #4 or RAPTOR Adhesion Promoter.

**Does GRIP #4 leave a sticky residue?**

The active resin has an extended open window and will have a light surface tack – but it is not sticky.

**How long does GRIP #4 stay open for?**

GRIP #4 is ready to spray over after 20-minutes, but stays open for up to 72 hours, depending on ambient temperature (far longer than competitive technologies).

**I have left GRIP #4 for longer than 72 hours, what do I need to do?**

Scuff or reapply.

**Is GRIP #4 the same product as RAPTOR Adhesion Promoter?**

Either will work – they are essentially the same product. We introduced the RAPTOR Adhesion Promoter (UP5024) as some of our customers only carry the RAPTOR line and didn't like matching it with the GRIP #4 (UP0799) product from our collision repair line.

**ACID #8**

**Is ACID #8 available in larger set ups?**

Yes – it is available in a 1 liter can (UP0776).

**If using ACID #8 from a 1 liter can, is it possible to thin it?**

ACID #8 is supplied as a low viscosity ready for use product and does not require reducing, however if reducing is desired for a particular application reduce by 5% with denatured alcohol.

**Can I use ACID #8 with TIGER SEAL?**

Yes, it is best practise to seal first and then prime.

**Can I use ACID #8 to do a full vehicle priming?**

Technically yes, if you were wanting to provide corrosion protection, but epoxy primers tend to be preferred for this application due to their superior corrosion resistance.

**If I apply ACID #8 with filler do I apply the ACID #8 before or after the filler?**

ACID #8 should be applied after filler, indeed we recommend that people do not apply filler over the top of ACID #8.

**Does ACID #8 need to be sanded before overcoating?**

ACID #8 can be overcoated with 2K primer after 20 - 60 minutes dry time. Sanding is not necessary if overcoated within 1 hour, but if left longer then lightly abrade with P400 - P600 dry abrasive and degrease.

**Is ACID #8 the same product as RAPTOR Etch Primer?**

Either will work – they are essentially the same product. We introduced the RAPTOR Etch Primer (UP5023) as some of our customers only carry the RAPTOR line and didn't like matching it with the ACID #8 (UP0741V) product from our collision repair line.

**Does ACID #8 contain acid?**

ACID #8 is a single pack acid etch primer so the acid is already in the formula.