



TECHNICAL DATA SHEET

PRODUCT NAME: ICE FX™

Description:

ICE FX™ is a self-activated transparent surface crystallizing agent that works over a sanded clear coat, basecoat or intercoat clear and achieves full crystallization in about ten to twenty minutes.

Using ICE FX™ you have the ability to create the final unique pattern and create effects which are truly amazing! ICE FX™ adds interest as well as creating intrigue. ICE FX™ is a hydrodynamic liquid mask and is perfect for airbrush projects, motorcycle tanks & guards, feature panels on motor cars, trucks, caravans, boats, jet ski's, surfboards, skateboards, bench and counter tops and almost any other object.

Substrates & Preparation:

Surface must be chemically clean, dry. Previously painted surfaces must be sanded with 600-1000 grit paper.

Mixing Ratio/Reducing:

Reducing is not required, do not dilute.

Application:

QUICK APPLICATION GUIDE:

1. Prepare and paint the surface with your choice of base colour. ICE FX™ is a reverse masking process. Your first coat shows up as the lines and your second coat the background colour.
2. Sand or scuff the surface thoroughly with 600 - 1000 grit paper.
3. Apply the ICE FX™ ensuring the surface becomes fully wet.
4. ICE FX™ will achieve full crystallization, usually within 10 - 20 minutes at an average temp of 20° - 25°C. Wait for complete forming of crystals on the entire area you are working and allow to dry.
5. Apply light coat of contrasting colour and allow to dry.
6. With a lint free clean wet cloth, gently wash off all the ICE FX™ using lots of Warm clean water and allow to dry.
7. Apply 2K Clearcoat.

DETAILED APPLICATION GUIDE:

We recommend that you try different methods of application and colour combinations on small objects or test panels to learn the various techniques required to create the different effects.

- ICE FX™ is a reverse image process. Your first coat will appear as the lines made and your second coat shall become the background or 'in between' colour.
- The ICE FX™ may be applied directly over the Base coat colour of your choice, or on top of any clear coat.
- If the surface is new, apply your choice of Base coat and if you wish, to achieve greater depth and clarity, apply a clear coat. Once dry, scuff this surface before applying the ICE FX™.
- Wet or dry sand and scuff the surface thoroughly with 600 -1000 grit paper. This will assist adhesion for the second base coat.
- Make sure the object is not cold; it is preferable to place the object in the spray oven at a temperature of 20° - 25°C for about 10 minutes before applying the ICE FX™. To assist with this process the use of a hand held infra-red thermometer to check the temperature of your object and the ICE FX™ solution, will assist you in achieving more consistent results.
- The ICE FX™ should be at room temperature (20c C) or the crystals may take longer to develop. Air movement will also affect the ICEFX pattern. At higher temperatures, the ICE FX™ pattern may form in a wider pattern than is desired.
- Ensure the surface is clean before applying ICE FX™.
- Then apply the ICE FX™ by using a clean lint free cloth soaked with ICE FX™ and liberally wipe over the surface area in slow even motions and once the surface is fully wet, ICE FX™ can also be applied by Spray and pouring the ICE FX™ over the object ensuring the object gets a full wet coat.
- If the ICE FX™ beads up, this means you have surface contamination or insufficient sanding. Thoroughly clean the surface and then repeat the process.
- Let dry. ICE FX™ will achieve full crystallization usually within 10-20 minutes at an average temp of 20-25° C. Wait for complete forming of ICE FX™ on the entire area you are working.

- Experimentation is required with small samples to understand what you can achieve with this unique product. If you do not like the pattern the ICE FX™ have formed, do not spray your contrasting coat, wash off with water, rinse and lightly sand out any pattern taking care not to affect your Base coat or clear coat and then dry the surface before re-applying the ICE FX™.

Note: High Humidity may retard or effect the process.

- When fully crystallized and dry, apply your contrasting colour (this will show up as the background between the lines of the crystals), apply this coat in a light dusting action, apply just enough paint to cover the surface!
- Do not use a catalyzed or 2K second coat as this is too difficult to wash off.
- For the top-coat always use a solvent based paint never use water based paint as this will reactivate the ICE FX™.
- Take care to apply only a light or thin contrast coat. If you apply too much paint, then the ICE FX™ surface becomes too hard to remove and a poor appearance will result. Remember: ICE FX™ dry from the outside in, so take care to let them fully dry (as a guide, allow 10-20 minutes) before applying your contrasting coat.
- After the contrasting coat has been applied and dried, using a clean lint free cloth soaked in warm water, gently wipe (rub off) all the ICE FX™ using lots of clean warm water. Take care not to have folds (as these can also 'tear' the contrasting coat) use lots of warm water and regularly clean your cloth.
- Then thoroughly rinse the surface and allow to dry.
- This will leave you with a very pronounced ICE FX™ design.
- Apply Specialist Paints 2k Clearcoat clear coat.

Note: If artwork is planned, use a Graphic Mask or Vinyl tape. DO NOT use ordinary masking tape as ICE FX™ is a water based product. If the second (contrasting) colour has been applied too heavily, you may wish to use a fine grade of steel wool or Scotch brite and using plenty of water, very gently wash off the crystals. This technique requires great care.

Cleaning Equipment:

After use, clean equipment thoroughly with water. Clean solvent based products according to the applicable technical data sheet.

Storage Period and Conditions:

1 year when stored in cool, dry conditions. If exposed to cold temperatures crystals may form in the bottle. Before use, place bottle in warm water until all crystals are fully dissolved (about 10-20 minutes).

Safety:

Read all warnings, first aid and safety for all components before using. Keep out of reach of children and animals. Wear a properly fitting NIOSH/MSHA approved respirator. Select positive pressure supplied respirator (TC-19C or equivalent) for isocyanates. Follow the respirator manufacturer's directions for use. Protect hands with impervious rubber gloves. Wear face, skin and eye protection. Specialist Paints finishes are for industrial use by professional, trained painters.

Note: Custom painting can be difficult. All products should be fully tested prior to commencing any job to determine suitability, final finish and overall appearance. All information and data provided by CUSTOM PAINTS LTD is given in good faith and intended to be a general guide only. CUSTOM PAINTS LTD shall not accept liability as a result of any failure or lack of expertise on the part of the applicator, condition of substrates, lack of, or incorrect preparation, use of incompatible materials, equipment failure or use of incorrect equipment or any other reason beyond the control of CUSTOM PAINTS LTD and further offers no warranties of whatever nature express or implied as to merchantability or fitness for a particular use or purpose and shall not accept liability for any specific or consequential damage as a result of using these products unless otherwise agreed to in writing. Should a product be defective, CUSTOM PAINTS LTD shall replace the defective product, or, at its sole discretion refund the purchase price.