



"The strength within your model!"

World Class
Modelling Products
from Deluxe Materials

40 years

and we keep getting
STRONGER



FOAM SAFE
**FOAM
FOAM**
Adhesive for rapid foam modelling

**CREATE
and
SHAPE**
For the creative modeller

For
FOAM & WOOD
Wonder FILL
STRONG, LIGHTWEIGHT FILLER

**AERO
TECH**
EPOXY

**SPEED
EPOXY II**

**SPEED
EPOXY II**
HIGH STRENGTH
RAPID SETTING
SETS CLEAR
SANDABLE
SETS HARD
TRX P810 1:1
4 MINUTES

**ROKET
TRICKY
STICK**
Allows cyano to bond
difficult, shiny plastic
& foam.
For foams & plastics including
EPS, EPP, polystyrene,
silicone, nylon.
ACT 500



DAD26
Decorator Glue
112g

- Thick glue, which, like Tacky Glue dries clear overnight.
- It has instant stronger hold around corners and on vertical surfaces whilst also allowing repositioning.
- Bonds: **fabric** **paper** **plastic**
leather **wood** **metal**
silk **glass**
painted and varnished surfaces.



- Very sticky glue which dries clear, flexible, & is nonstaining.
- Use for:
 - Bonding fabric.
 - Plastic windows.
 - Flower making.
 - Bonding ceramic or flexible tiles.
 - Glazing small windows in scale models.
- Superior to other tacky glues in that it dries clear and bonds plastics, varnished and painted wood surfaces and many other materials.

DAD27
Tacky Glue
112g



DAD29
Tacky Wax
28g

- Wax adhesive for holding miniatures in place whilst allowing re-positioning.



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DBD44
Perfect Plastic Putty
40ml

- Fills fine gaps. Creates invisible seams.
- Water clean up
- Perfect Plastic Putty is a one-part, fast-drying, superfine filler with good adhesion and sanding properties on plastic. Easily used, even in awkward areas with water clean up.
- Apply with small spatula, smooth and allow to dry.
- Perfect Plastic:
 - Dries quickly without cracks to an ultra smooth finish.
 - Fills deep cavities & takes paint easily
 - Low odour

- Strong lightweight filler - For foam & wood.
- An easy sanding, strong, lightweight filler designed to fill small gaps & indentations in foam, wood etc. It is easily applied & smoothed with a damp finger and can be sanded back with coarse and then fine sanding tools.
- Wonderfill, when set, does not crumble like other lightweight fillers.
- Furthermore it can be over-coated with Deluxe Materials Foam Armour for improved surface toughness, & finish before being painted.
 - One part, no mixing
 - Tougher than other lightweight fillers
 - Non shrinking
 - Bonds wood, foam etc
 - Water clean up
 - Easily applied and smooth able with finger
 - Slightly flexible like foam.



DBD48
Wonderfill
240ml



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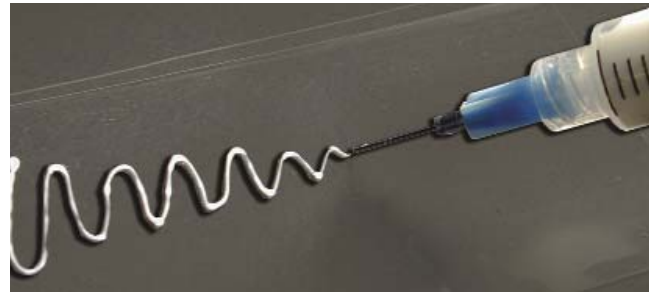
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DAC08
Pin Point Syringe Kit



- Pack of 2 dispensing syringes and 3 sizes of stainless steel needles for accurate application of water based glues: R/C Modellers Glue, Speedbond, Aliphatic Resin, Tacky Glue, Decorator Glue.
- Ideal for making rivets on scale models and for dispensing fluxes and oils in model railways.
- Clean syringes and tips with warm soapy water after removal of glue.
- Stop clogging overnight by resting tips on damp sponge or in water.

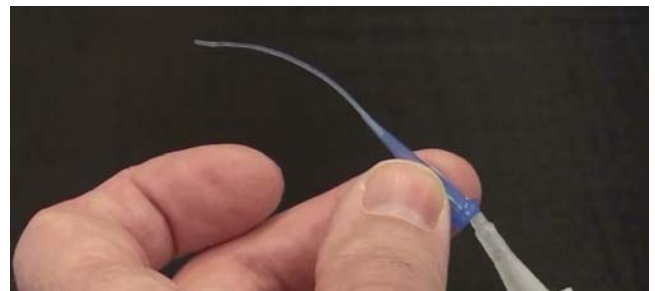


DAC11
Pin Flow Applicator



DAC09
Micro Tips & Tube

- An applicator specially designed for the precise control of liquid solvent plastic adhesives such as Plastic Magic.
- When even a brush can sometimes deliver too much this breakthrough device will deliver just the right amount of adhesive to bond the most intricate parts.
- Prevents glue runs. Invisible joints especially on clear plastic.



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DAC17
Tricky Stick
50ml

- Allows cyano to bond difficult shiny plastics & foam.
- Surface primer for EPP, EPO, Acetals, Fluorinated rubbers, silicones, polythene, polypropylene. Increases the versatility of cyano as a glue & improves strength.
- Simply brush Tricky Stick onto shiny surfaces & allow to dry. Apply your favourite cyano glue (e.g. ROKET) to one surface & quickly bring joint together holding tightly until set.
- Tricky Stick the ultimate product for foam and plastic bonding.



DAD24
Plastic Magic - New Formula
50ml

- Bonds plastics other glues cannot
- Deluxe Materials new formula Plastic Magic is a liquid solvent glue that produces invisible glue lines.
- The new safer formula can be applied with the Deluxe Materials Pin flow solvent glue applicator or conventionally with a fine paint brush. Plastic Magic bonds nearly all commonly used modelling plastics including:



polyester
styrene
ABS
PVC
butyrate
Polycarbonate



- Bonds in seconds, fine applicator, anti clog action.
- A very fast, plastic cement for all types of plastic kits. The clog-resistant formula and fine tip bottle make for great ease of use.
- Plastic Kit Glue dries clear, bonds styrene, clear plastic, and even wood to plastic and has a long life.
- Simply apply to one surface and bring parts together for fast strong bond.

DAD70
Plastic Kit Glue
20ml

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DBD43
Scenic Water
125ml

- A re-meltable one part resin that pours, flows and sets as you want it, for simulating static and moving water effects in dolls houses.
- A one part resin for small liquid projects eg simulating drinks, or water in sinks and baths, bubbles, and many food items including jellies.
- Melts at around 60°C.



- Pack of 4 dyes in dropper bottles and additive to make Scenic Water white.
- Ideal for making drinks, jellies, custard, and blancmange etc.



DBD23
Scenic Colours
4-Pack



DBD39
Making Waves
100ml

- For creating waves, ripples, waterfalls and moving water effects.
- Making Waves is a 1-part, clear setting, water based low odour resin that holds its shape, even on vertical surfaces. It can be used to form waves, texture ripples on water surfaces (eg Solid Water) and even waterfalls.
- Colour with water based paints.



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DAD55
Glue 'N' Glaze
50ml

- For glazing & bonding crystal clear windows & canopies.

- A liquid plastic filmforming polymer which bonds most plastics and dries to crystal clear film.

It is ideal for miniature windows 00 gauge or up to 6mm across. It will not fog plastics making it ideal for the safe bonding of scale aircraft, plastic canopies and glazing dollshouses.

- Bonds:
 - wood • metal • painted surfaces
- Water clean up.



- A low odour, 2 part resin for simulating crystal clear water for miniature bowls, garden ponds, canals, lakes and puddles. Creates the illusion of deep water with minimal thickness. Use it for still water (canals or lakes) in railway layouts. Can be textured ten hours after mixing to create moving water effects.

- Coverage 1-2 metres 10cm wide up to 2/3 mm deep.



DBD35
Solid Water
90ml



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DBD25
Scenic Snowflakes
500ml Shaker Pack

- For the creation of dramatic snow scenes in minutes.
- Allows you to easily create real snow effects such as newly fallen, melted, slipped and frozen, on houses, trees and vegetation. Scenic Snowflakes are different to other snow because they allow you to add the detailed snow effects that will distinguish your work from other common 'picture postcard' winter scenes.
- Coverage up to 1.5 sq m.



DBD26
Scenic Shovelled Snow
500ml Shaker Pack

- A unique type of snowflake developed for creating special snow effects.
- Ideal for piled snow along with snowballs and snowmen which are not possible with other types of snow.
- Mix with Scenic Spray glue or Scatter Grip and mould to shape.



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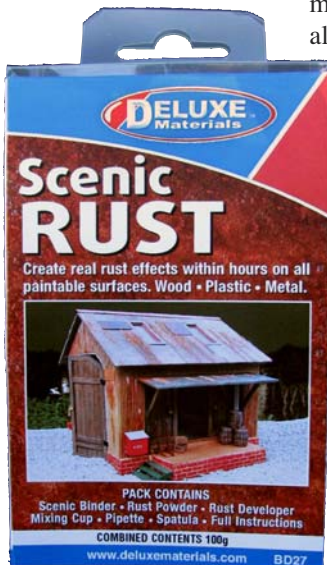


- For dramatic winter snow effects. Complete kit containing high brightness Snowflakes, Scenic Bond adhesive and Icy Sparkles.



DBD29
Scenic Snow Kit
Covers up to 0.5m²

- A three part system that puts a realistic scale like rust finish onto all types of paintable surfaces, wood, plastic, metal, within hours thereby creating greater realism for all types of modelling.



DBD27
Scenic Rust Kit



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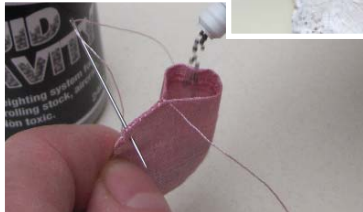
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DBD38
Liquid Gravity
240g

- A brand new non-toxic, easy flowing, weighting system for model railway rolling stock, model planes, boats and cars.
- Specially designed to pour into small cavities and set in place with adhesive such as Rocket Card Glue, R/C Modellers Glue, or Speed Epoxy. Use to improve electric conductivity & stability of rolling stock, adjust balance point of model planes, boats and submarines.



- For the creation & casting of realistic diorama groundwork.
- Easily formed, shaped & carved, non-crumbling.



DBD60
Create And Shape
250ml

A lightweight, non-sagging scenic modelling material for the creation and casting of realistic diorama groundwork.

- Create & Shape can be moulded and smoothed with a soft wet brush before completely dry.
- It dries without cracking to a material with great structural integrity bonding wood, plaster, plastic, foam etc. It can be cut, sawn and filed to shape when dry without crumbling like other products and then glued & coloured with acrylic for beautiful scenic effects.
- Ideal for repairs & special scenic projects where strength & durability is required.



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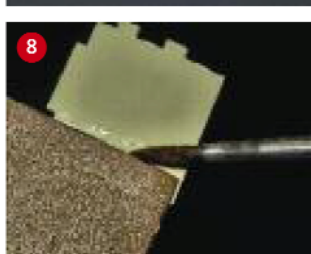
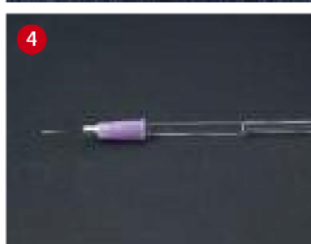
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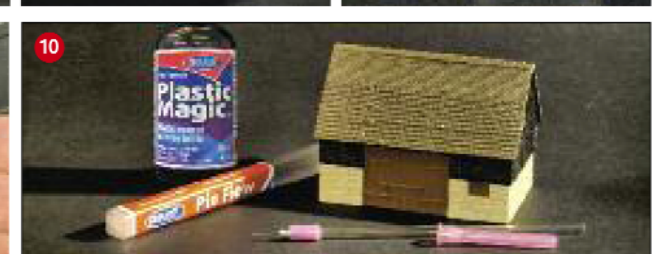
Deluxe Materials Pin Flow – the Plastic Modellers Solvent Glue Dream applicator.

"Plastic fine scale modelling can be one of the most challenging of all and in the search for perfect glue joints it is not often that you come across something as useful as this!" said *Jenny Wright* national IPMS gold medal winner. *Len Weal* explains how to use this revolutionary device...



1. Drawing Plastic Magic adhesive into the Pin Flow by simply inverting the open end of the tube.
2. Placing your clean finger over the needle to retain the Plastic Magic in the tube.
3. Turn 180 degrees and the liquid will slowly run down to the tip. Loaded device ready for use.
4. Device can be laid down horizontally without the Plastic Magic glue running out.
5. Hold the Pin Flow at an angle and the glue will start to flow.
6. Pin Flow is particularly good at joining interlocking stone walls of a building, such as this barn.
7. These two parts need to be laminated.
8. Shows in contrast when using a brush, the unnecessary amount of glue that is used and the resulting messy joint.
9. Showing how easy it is to attach the roof from the inside of the building with the Pin Flow.
10. Showing all that is needed for a neatly finished building is a combination of Deluxe Materials Plastic Magic and Pin Flow.

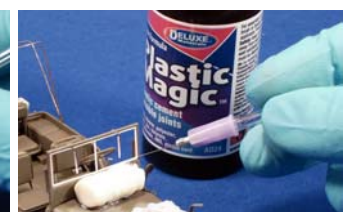
- Tips**
- Always draw or pull the tip. Never push it as it may block.
 - If it becomes blocked then immerse it in glue overnight.
 - Replace cover when not in use and store in outer case.
 - Clean tip by immersing in second bottle of Plastic Magic.
 - Don't contaminate Plastic Magic bottle with a paint brush that might add plastic particles to clog the tip.
 - Maybe used to apply cyano accelerator.



DAC11 Pin Flow Applicator



- An applicator specially designed for the precise control of liquid solvent plastic adhesives such as Plastic Magic.
- When even a brush can sometimes deliver too much this breakthrough device will deliver just the right amount of adhesive to bond the most intricate parts.
- Prevents glue runs. Invisible joints especially on clear plastic.





DAD18
Roket Powder
40g

- Strengthening powder for use with thin cyano adhesives to improve gap filling and toughness.
- Flows like liquid into spaces to take exact shape. Use for filling gaps where strength is needed.
- Sets in seconds with Roket Hot or Rapid cyano; can be filed, drilled and tapped.



DAD43 Roket Hot CA 20g	DAD46 Roket Odourless CA 20g	DAD45 Roket Max CA 20g	DAD44 Roket Rapid CA 20g
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Roket cyano range:
Highest quality cyanoacrylate adhesives. Designed for use with precise Micro Tip anti-clog applicator (DAC09).

Roket Hot (DAD43):
Super-thin, fast, penetrating adhesive; sets 1-5 sec.

Roket Odourless (DAD46):
Foam-safe, non-fogging, crystal clear, low odour grade, for bonding crystal clear plastics and foam; sets 10-20 sec.

Roket Max (DAD45):
Thick, maximum gap-filling adhesive; sets 10-20 sec.

Roket Rapid (DAD44):
Medium viscosity, fast setting adhesive; sets 5-10 sec.

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How to ...

Deluxe Materials would like to acknowledge and thank the expert modellers who have used our products and who have described and illustrated their techniques in the following articles. We hope you will find these useful in achieving similar excellent results.

Using Cyano-acrylate Adhesives

ROKET HINTS AND TIPS

Roket cyanoacrylate has rapidly established itself as one of the leading brands of ca adhesive. In this section we provide some useful hints and tips when using this range.



- CARE IN OPENING THE BOTTLE:** Release any pressure inside by holding the bottle away from your face. Hold the bottle tip against a solid surface when you cut the tip.
- ACHIEVING MAXIMUM BOND STRENGTH:** Don't leave a joint open for too long. Don't reposition a joint. When using thick grades Roket Rapid / Max, apply glue to one surface and "squash" glue into a thin layer. Add a fillet of Roket Max and cure with a quick spray of Roket Blaster.
- AVOIDING CLOGGING:** Before replacing the cap set the bottle on to a hard surface to knock back any remaining ca into the bottle and then squeeze the bottle to blow any air through. Use Micro-tips to dispense thin grade Roket Hot.
- TREATING ACCIDENTS:** Bonded skin, use warm soapy water and a spoon to release bonded fingers. Glue Buster can also be applied, then roll fingers gently together.
If accidents occur and there is concern or doubt please seek medical advice.
- USING ROKET BLASTER KICKER:** Use only when needed, as it will tend to slightly reduce bond strength. Avoid breathing its vapour.
- BONDING FOAM:** To be sure use Roket Odourless grade on one surface of EPS Depron foams. Bring dry surfaces previously treated with Foam Blaster together for fast bond. Roket Rapid and Max may bond other types of foam e.g. on EPP, EPO but check on scrap beforehand.
- AVOIDING BLOOMING & REMOVAL OF SURFACE MARKS:** Blooming is un-reacted superglue that reacts with moisture in the air to spoil surfaces. Use the odourless grade; avoid gluing in areas where there is damp or moisture. Use minimal glue and apply in uniform manner. Glue Buster will quickly dissolve away cured superglue.
- FILLING GAPS > 0.5mm:** Use Roket Max with Roket Blaster to cure the glue. For larger gaps pour in Roket Powder and add Roket Hot ca.
- BONDING SMOOTH PLASTICS:** Abrade surfaces & use Roket Blaster to assist bonding smooth surfaces such as polycarbonate acrylic & other clear plastics.

STORING ROKET GLUE: Heat and moisture degrade ca shelf life. Unopened bottles can be stored in the fridge but should be allowed to return to room temperature before use. Store opened ca in a cool dry place away from the light.





DAD57
Rocket Card Glue
50MI with Tip

- For fast assembly of card models
- Bonds Balsa wood, paper and card to most plastics.
- Use sparingly, align and press parts together for instan bond.
- Water clean up. 50ml bottle wth tip.



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[Links to videos on YouTube](#)

Liquid Gravity

<http://www.youtube.com/user/DeluxeMaterials1#p/a/u/0/YtfsWZ7LnvU>

Perfect Plastic Putty

<http://www.youtube.com/watch?v=stLzShlnrEk>

Pin flow

<http://www.youtube.com/user/DeluxeMaterials1?feature=mhum#p/a/u/2/rjaZiX0xoGQ>

Pin flow and Plastic Magic

<http://www.youtube.com/watch?v=82zYCF5sEDY>.

Roket Card Glue

<http://www.youtube.com/watch?v=rJ-P2BCIO1E>

Roket Cyano Glues and Accessories

<http://www.youtube.com/watch?v=gxHtiMsLkCs>

Scenic Rust

<http://www.youtube.com/watch?v=SH3qORastWE>

Scenic Snow

<http://www.youtube.com/watch?v=Ib4aGKQf-mw>

Scenic Water Solid water, Making Waves

<http://www.youtube.com/watch?v=5uhcNXcL-oI>

RUST A MINUTE!

A '49 Ford with Deluxe Materials Scenic Rust by Andy Argent

Andy Argent shows you how to create authentic corrosion on a 1949 Ford. Unlike paint, Deluxe Materials **Scenic Rust** is real rust that can be applied to any paintable surface.

The '49 Ford Kit with the **Scenic Rust Kit** components I used.

- 1 Model and materials used to rust it.

Painted model ready for rust. When completed, the '49 Ford was painted in burgundy and left to dry. It was then sprayed with hairspray and some grey paint added. This was left to dry for several minutes. The paintwork was then distressed with a cut down stiff brush to create the effect of old, chipped paint. This was a good base for the **Scenic Rust** treatment.



- 5 **Scenic Rust Developer** was then painted onto all the areas that were treated with the rust powder / binder mix. This was then left overnight to fully react and develop rust.

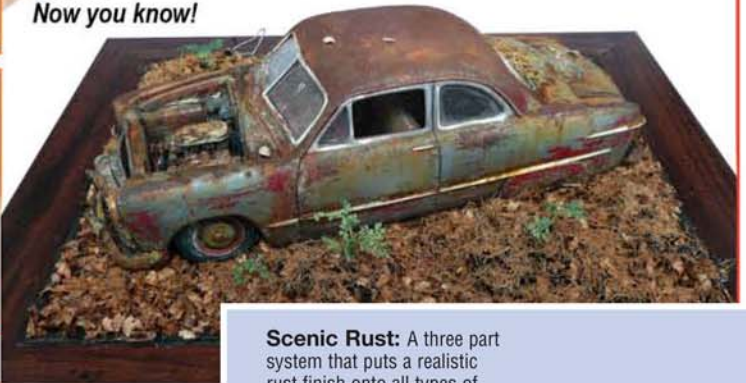


- 6 **49 Ford Rust Close Ups.** These photos show close ups of the rust effect after one day. As you can see you really do see the true effects of this rust. That's all there is to the scenic rusting and the creation of a very realistic looking rusty vehicle.



I have used Deluxe Materials **Scenic Rust** several times and been rewarded with many people asking "how do you get your vehicles so life-like?"

Now you know!



- 2 **Scenic Rust Powder** was mixed with the **Scenic Rust Binder** following the clear instructions on the box.

- 3 This was painted on all the areas where I wanted the heaviest rust.



- 4 Shows the dried rust / binder mix on rear of the vehicle. Be careful to try and get a realistic balance at this stage if you don't want to end up with a completely rusted out vehicle.



Scenic Rust: A three part system that puts a realistic rust finish onto all types of paintable surfaces, wood, plastic, metal within hours thereby creating greater realism for all types of modelling.



Scenic Rust DBD27

A three part system that puts a realistic scale like rust finish onto all types of paintable surfaces, wood, plastic, metal, within hours thereby creating greater realism for all types of modelling.



WATCH THE VIDEO

A Forgotten Warrior



Simon Hammerton

rusts up Tristar's Marder III Ausf.H.



Having rusted a Mitsubishi Cantor Truck to within an inch of its life last year, I thought I'd do something with a little more subtlety for you. My subject this time is Tristar's excellent 'Marder III Ausf.H'. Once again I am using Deluxe Materials 'Scenic Rust', only this time incorporating the now popular hairspray method. Using

this technique will allow the modeller to replicate flaking paint, in addition to having the rust breaking through the camouflage as well as bubbling under it. As with any new technique, it is a good idea to have some fun by practicing on scrap material or an old kit first, to see the different effects you can achieve.



Photo 1: Tristar's superb 'Marder III Ausf.H', a complicated, but rewarding build.

Photo 2: The contents of Deluxe Materials' Scenic Rust set: rusting powder, binding agent, developer, measuring cup and mixing spatula.

Photo 3: Roughly equal quantities of powder and binding agent are mixed to form a brushable paste.

Photo 4: I use disposable microbrushes to apply the paste, rather than ruin good paintbrushes.

Photo 5: Once the paste has set, the developer is applied . . . now simply a matter of waiting for the rust to appear.

Photo 6: After the rusting process, hairspray is liberally applied to the entire model, and when dry, followed up with the chosen paint scheme.

Photo 7: Once the paint is dry, it can be scrubbed away with a stiff brush dipped in warm water.

Photo 8: View of the left-hand side of the Marder, now looking suitably 'distressed'.

Photo 9: . . . and the right-hand side. Notice the rust showing through the upper armour and around the drive-train fasteners – prime candidates for corrosion.

Photo 10: A close-up of the upper armour, showing rust appearing through the flaking paint.



ANY GAUGE

Product

Deluxe Materials Scenic Rust

Price

£14.55

Availability

Deluxe Materials stockists. See www.deluxematerials.com

Level

Intermediate

Tools needed

✓ Two clean paint brushes

RUST

in peace

Rust is a common sight on our railways. **LEN WEAL** and **JOHN BRISTOW** offer a way to create years of ageing in an instant.

Top: This 16t mineral wagon was given a really heavy dose of Scenic Rust on one side. If you want a heavier effect, you can apply another coat of rust on top of an existing one.

The oxidation of iron - known as rust - is a result of the reaction between oxygen and iron, aided by moisture, and takes an age to occur. It's a common sight on our railways, from the sides of rails to condemned rolling stock.

Unlike real life, we don't have time to wait for real oxidation to take place (not to mention that it's impossible with plastic!).

But with Deluxe Materials' Scenic Rust you can turn any piece of shiny model railway equipment into a rusty wreck within a few hours.

Scenic Rust recreates not only the colours of rust - red, orange and black - but also its all-important texture. To demonstrate its effectiveness, an ex-works 'O' gauge BR 16t mineral wagon kit was aged in an instant. **MR**

What if it goes wrong?

If you wish to remove the Scenic Rust, lightly rub the model with a fine wire brush or light emery paper.

Where to buy it:

Scenic Rust is available from all Deluxe Materials stockists. See www.deluxematerials.com for more.

Here's how to do it: Applying Scenic Rust



1 The Scenic Rust pack contains Scenic Rust Powder, Scenic Rust Binder and Developer, along with the mixing beaker and spatula.



2 Combine equal volumes of the Scenic Rust Powder and Binder and mix the two components thoroughly by hand in the supplied beaker.



3 Apply the rust mixture to the model with a clean paint brush. Use prototype pictures as a reference.



4 The rust effect begins to form as the mixture dries. Allow it to dry thoroughly before moving on to the next step.



The 'O' gauge BR 16t mineral wagon: clean and shiny, in ex-works condition. But not for long...



5 Apply the Scenic Rust developer fluid with a clean brush to treated area. Clean your brushes with water before the fluids dry.



6 Job done! This wagon now looks as though it has led a hard working life with little care and attention.

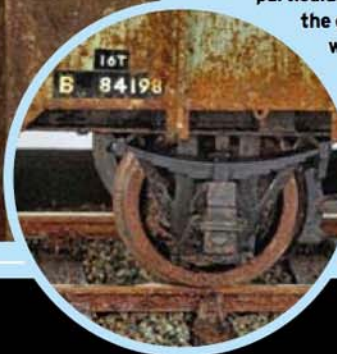
TOP TIP

As with all weathering, always use prototype photographs to ensure that the effects you're looking to create match the real thing.



Rust in detail

Left: Deluxe Materials' Scenic Rust is particularly effective, combining both the colour and texture of rust. Who would think that this is plastic underneath?



Inset: Scenic Rust also works well on metal. The rail sides have that well-weathered look of metal exposed to salty sea air.

Adding a rust effect

John Bristow of Deluxe Materials explains how to create the patina of age for added realism in your miniature scene

Rust happens when iron metal is in contact with water and oxygen or other strong oxidant or acids. The metal rusts more quickly with salt water. Scenic Rust creates the look of rust on miniature metal. Here it is used on a barbeque but it could be applied to any metal household item. You might like to try it on a bucket, watering can, tin bath or bicycle.



PHOTOS: DELUXE MATERIALS

George the gardener with the finished barbeque now suitably rusty!



1 This barbeque just looks too new for its intended garden scene, but Scenic Rust can artificially age it. Ideally you want a full size real barbeque to copy but I worked from memory or tried to imagine how and where it might rust



2 The Scenic Rust kit contains Rust Powder, Scenic Binder, Scenic Developer and instructions. You can rust any surface you want provided it can be painted. If the surface is porous seal it first with paint or varnish



3 Use the syringe to transfer the rust powder into the mixing pot, about 2.5ml is plenty. Graduations are on the mixing pot

“ Wash the brush with water and leave the barbeque overnight for the rust to develop ”



4 Add equal volume of the Scenic Binder from the dropper bottle



5 Mix the two together to get grey slurry



6 Brush onto the surface with fine paintbrush. Wash the brush clean with water



7 This is the barbecue minutes after application. This needs to dry fully (approx 1-2 hours) before the next step



8 After two hours it should be dry and you can apply the Scenic Rust Developer using a clean brush. Wash the brush with water and leave the barbecue overnight for the rust to develop



9 Now the barbecue looks really rusty



10 To continue the ageing process, I rubbed the rust surface lightly with fine wire wool. This will remove some of the paint at the edge exposing bare metal just as happens in real life



11 I felt it needed more rust so applied more Scenic Rust Developer and again left it overnight



12 Now the barbecue looks like the real one in my back garden

Rusty Bucket

Martin Pearce explains the process of creating an authentic rust effect using Scenic Rust, perfect for all those ancient tools in your workshop.

Although intended as a detailing item for the workshop project, the rusty bucket featured has many other applications, garden or outdoor scenes being the obvious ones. Additionally, the techniques covered can be applied to many other projects and scenarios; for example, I have used the product for ageing miniature baking trays.

For me, pieces such as this are one of the real pleasures of miniatures. As enjoyable as making furniture is, you are constrained to a certain extent by the prototype being copied whereas with a project of this nature the imagination can run free. That being said it is not a case of just about anything goes and observation of the real thing can make the difference between the finished item looking realistic and authentic in comparison to one that is contrived or just doesn't look right.

Try to find as many examples of the real thing, and study them. Look for areas more prone to rusting than others or where holes occur. Look for other patches of discolouration and note what the colours are. Some parts such as the handle may retain a slightly polished sheen due to constant handling. By studying and observing the real thing we can capture it in miniature.

A product called Scenic Rust from Deluxe Materials is used to obtain the rusty finish on the bucket and depending on how it is applied, can

be varied from a very light rusting to something that appears to have been on a scrap heap for a considerable length of time as is the case here. One of the attractions of Scenic Rust is that it can be used on a wide range of materials including wood and plastics as well as metal. If you have never used it before I would suggest that you experiment a little prior to using it on a finished piece. That way you will get to know how much to apply in order to achieve the effect you are after.

It is likely that an aged metal bucket such as this will have some knocks here and there and may even be rusted through in places resulting in some holes. Because of this a cheap bucket will suit our purposes and the one used here is by Streets Ahead.



You will need:

- Small craft knife or scalpel
- Flat needle file
- Half round needle file
- Small ball pein hammer
- Old paint brushes
- Cocktail sticks
- Cotton buds
- Tissue
- Scenic Rust by Deluxe Materials
- Bucket
- Humbrol matt black paint
- Silicone carbide paper grades 120 & 240
- Disposable gloves
- Tin foil
- Super glue



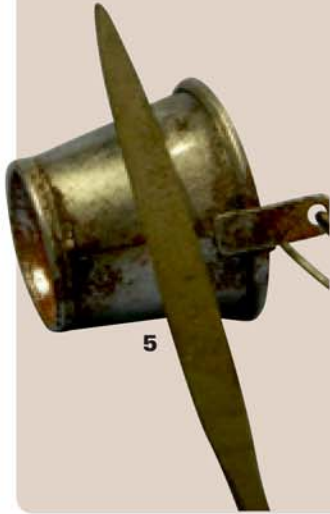
Step 1

With its shiny finish, the bucket as bought looks 'too new' and whilst the rusting will hide this, it was toned down by a light brushing of matt black paint applied with a stippling action (**photos 1 & 2**). An old worn brush with fairly stiff bristles is fine for this. The paint was allowed to build up along the seam and any other places where dirt would collect in real life. Using a tissue most of this paint was then removed with a dabbing action to create an uneven finish (**photo 3**).



Step 2

A few knocks can now be added in order to enhance the aged look. The idea is to reproduce small indents here and there without overdoing things. The rim can also be knocked slightly out of shape but again, don't get carried away. The wall of the bucket needs supporting whilst the dents are made with the rounded end of a small ball pein hammer. A piece of scrap wood cut to fit inside the bucket or a piece of dowel is ideal for this. The wood should support the wall of the bucket whilst it is hit gently with the hammer (**photo 4**).



Step 3

The last stage of distressing involves the forming of some holes but as with the knocks don't overdo things. I decided to form an elongated hole under the top rim and two others lower down the bucket. The use of a drill naturally springs to mind in order to form the holes but I avoided this. Unless a hole is specifically drilled in a full size bucket, any holes that are formed by rust are due to the metal becoming thin and that process was copied here. In order to do this the outside was filed using a half round needle file where the holes were to be (photo 5).

Before the file broke through the surface of the bucket a ridge could be seen forming on the inside just behind the area being filed. The bucket was now filed from the inside until the opening of the hole was formed. This will result in an irregular shaped hole with rough edges looking very much like a miniature

version of the real thing (photo 6). It is likely that a fairly large area of the surface has become roughened by the file and this will need smoothing up with the use of silicone carbide paper. Take care with this as the rough edges of the hole can be sharp.

As an alternative to a file, a small grinding stone fitted to a mini drill or Dremel can be used but make sure eye protection is used if adopting this method. It's a much quicker process but can remove too much material if not done carefully. Even if this method was used, I would suggest that for the finishing stages i.e. when the ridge appears on the inside, that a file is used to open up the hole.



Step 4

What happens if you remove too much material or make the hole bigger than you wanted, as shown here in photo 7? There is a simple remedy and it comes in the form of a small piece of tin foil. This is glued on the inside of the bucket behind the hole using Super Glue having first 'shredded' part of its edge with the blade of a craft knife (photos 8 & 9). Once the glue has set, the waste foil on the inside can be cut away using a craft knife or scalpel (photo 10). It is suggested that a new blade is used for this in order to obtain a clean sharp cut. The foil remaining on the inside can be smoothed down and when rusted any joints will be just about invisible. Similarly, on the outside, the joint can be blended in when it comes to adding the rust.



Step 5

We are now ready to apply the Scenic Rust but before doing so ensure that the surface of the bucket is free from grease. A clean brush must always be used and if an even coating is to be applied all over, one with soft bristles is the most appropriate. If the finish aimed for is a few patches of light rust, a stippling action using a brush with stiffer bristles is the best approach. In all cases do not use a good brush used for painting, it is better to have something kept back just for use with rusting. It will be found that the binder and powder mix is very sticky and will adhere to just about anything including fingers, so use disposable gloves for both this stage and to apply the developer.

The Scenic Rust powder and binder need to be mixed together. A small graduated mixing cup is supplied with the kit and a small quantity of the binder was poured into this (photo 11). Using the graduated pipette supplied, an equal amount of the rust powder is added to the binder and thoroughly mixed until everything is blended together (photos 12 & 13). The resulting mix, which should not be too thick, can now be brushed on the bucket both on the inside and outside (photo 14).





15

Step 6

If you have had to attach some tin foil, the rust can be built up ever so slightly around the edges by applying the mix with a cocktail stick (photo 15). In the introduction I referred to experimenting with this product and a trick I have found is to remove some of

the rusting mix in order to vary the level of rusting on a model. This can be done with the aid of a cotton bud (photo 16). In a similar vein, heavier patches of rust can be built up but it is best to do this gradually allowing each layer to dry and form before adding more rust mix. I have found that light rusting can be achieved by a very thin mix using the stippling action mentioned above. The only way is to have a go yourself and find out what works and what doesn't.



16

Step 7

The applied mix should be left to dry. Once dry the finish already has a look of rust about it even though the Scenic Rust Developer has yet to be applied (photo 17). When applying the developer it is important that gloves are used and I would also suggest eye protection in case of splashes. As with the rust powder a clean brush is essential and preferably one with soft bristles (photo 18). The developer should be applied to all areas that have been coated with the rust mix. This now needs to be put on one side until it dries and develops the final finish (photo 19). This can take up to eight hours and depending upon your intentions more rust can be added. It is possible to remove some of the rust if you think it's overdone. This can be done by scraping away some of the finish and giving it a repeat application as appropriate.



17



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Step 8

The bucket is now finished and you should be left with an authentic looking miniature. The last photographs show two other items treated with Scenic Rust (photos 20 & 21). Both are from the Warwick Miniatures range and show the effect of a lighter treatment. On a final note, don't get carried away and rust everything in sight as you may well be inclined to do after using this product; little bits here and there give a much more convincing effect than rust appearing on everything.



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Suppliers' list

Scenic Rust
Deluxe Materials
Distributed to all good miniaturist shops by:
Hobby's
T: 0208 761 4244
W: www.hobby.uk.com
Streets Ahead
T: 01752 338222
W: www.streetsaheaddollshouse.com
In case of difficulty order on line:
www.deluxematerials.co.uk
Freephone 0800 298 5121
US Distributor
Horizon Hobby, Inc.
T: 1-800-338-4639
W: www.horizonhobby.com
US dealers call
T: 1-800-535-5551

Bucket
Most dolls house shops.

Paint
Most model shops.

Silicone carbide paper and gloves
Most DIY outlets

Tools
Squires
Tel 01243 842424
www.squirestools.com

Eileen's Emporium
Tel 01531 828009
www.eileensemposium.com

Axminster Power Tool Centre
Tel 0800 371822
www.axminster.co.uk

Rust a Minute



Rust is an everyday sight on steel built rail vehicles. With Scenic Rust it can be easy to model effectively. Here you see its use on a 16 tonne British goods wagon.

Fig 1. The BR wagon & the Scenic Rust ready for treatment.

Fig 2. Combine equal volumes of the Scenic Rust powder & Binder.

Fig 3. Mix the 2 components thoroughly by hand.

Fig 4. Apply the mixture to areas of the plastic using photographs as reference.

Fig 5. Shows the colour change when dry, ready for application of the Scenic Rust Developer.

Fig 6. Apply the Scenic Rust Developer fluid with a clean brush.

Fig 7. Job done! Shows wagon with light rust on one side.

Fig 8. Shows wagon with heavier rust on other side. Later you can add more rust according to the period of the vehicle being modelled.



Len Weal, Beer, Devon.