Fused glass Autumn scene

Create your own Autumn scene using fusing glass, frit and our winter tree decals.

You will need to following to create this project:

- System 96 Ice clear base glass
- System 96 transparent green of your choice
- System 96 frit in your choice of colours and grades
- CGG Decals winter tree silhouettes
- Kiln
- Papyros paper
- Primed mould (optional)

The process

1 **Cut 2 pieces of ice and a piece of green for the grass and then fire this on a full fuse**

Cut to the size of your choice our final piece is 20 x 20cm square. See full fuse firing schedule overleaf.

2 **Once fired you can then add your winter tree decals**

Cut out your decals, soak them in warm water, leave them for a few minutes then remove from the water and slide off the backing paper and onto your glass. Use a squeegee or a cloth to gently push the excess water out of the decals so they sit flat on the glass.

3 **Add your frit to the trees and onto the grass**

Add various frits to your tree, we used a variety of frit grades in transparent colours so that the tree branches would show through. Then we added frit of various grades in opaque and transparent colours to the grass area to show the fallen leaves.

4 **Fire in the kiln on a contour fuse**

See contour fuse firing schedule overleaf.

5 **If you like you can then slump into a mould of your choice**

System 96 full fuse

Separate glass layers are completely cojoined into a single uniform layer.

Forming temp 780-800°C

Segment	Rate Celsius/hr	Temp	Hold time (hr:min)
1. Initial heat	222°C/hr	to 677°C	0:45
2. Rapid heat process soak	AFAP* or 9999°C/hr	to 796°C**	0:12
3. Rapid cool anneal soak	AFAP* or 9999°C/hr	to 510°C	1:30
4. Anneal cool	100°C/hr	to 427°C	0:10
5. Cool to room temp	AFAP* OR 9999°C/hr	to 40°C	0:00
6. END	-	-	-

System 96 contour fuse

Edges are soft and rounded. Project surface retains a degree of definition desired by the artist.

Forming temp 760-780°C

Segment	Rate Celsius/hr	Temp	Hold time (hr:min)
1. Initial heat	150°C/hr	to 677°C	0:45
2. Rapid heat process soak	AFAP* or 9999°C/hr	to 765°C**	0:12
3. Rapid cool anneal soak	AFAP* or 9999°C/hr	to 510°C	2:00
4. Anneal cool	66°C/hr	to 427°C	0:05
5. Cool to room temp	AFAP* OR 9999°C/hr	to 40°C	0:00
6. END	-	-	-

System 96 slump (optional)

Segment	Rate Celsius/hr	Temp	Hold time (hr:min)
1. Initial heat	66°C/hr	to 148°C	0:15
2. Slow heat process soak	148°C/hr	to 593°C	0:20
3. Top heat	66°C/hr	to 657°C**	0:25
4. Anneal cool	204°C/hr	to 510°C	1:00
5. Slow cool anneal cool	66°C/hr	to 427°C	0:10
6. Cool to room temp	AFAP* OR 9999°C/hr	to 40°C	0:00
7. END	-	-	-

*AFAP = as fast as possible, some controllers will not allow a rate of 9999°C /hr
** Will vary depending on desired result and kiln

This data is a guide only, firing programmes may need to be adjusted according to size and thickness of glass and the kiln's performance. Ensure that data is entered into the controller accurately, otherwise glass may not fuse correctly.