

# Instructions: Standard Decals (Glass)



## Application Instructions (read all steps before proceeding):

Decals are best used on top or underneath your piece. If you wish to fire your piece to a full fuse then you should pre-fire the piece to 804°C before adding the decal and firing again using the schedule below.

1. Clean the glass surface where the decal will go.
2. Remove the wax paper barrier, if any, from the decal surface.
3. If desired, cut the decal to the required shape using a craft knife or scissors.
4. Soak the decal in a shallow pan of warm water until it easily slides off the paper. It is easier to apply the decal directly from the paper to the glass piece. Leaving it in water too long will result in the decal floating off the base paper and it will be difficult to apply.
5. After applying the decal, use a paper towel to blot excess water and gently smooth out any wrinkles or air bubbles. If air bubbles are not gently rubbed out, a tiny hole will pop through the decal when fired.
6. Change water frequently after soaking several decals to remove impurities.
7. All moisture must be removed prior to firing. Overnight drying is highly recommended.

## Firing Instructions:

The schedule below is a basic tack fuse which works well with most of our decals.  
(See separate firing instructions for the metallic decals or those marked as low-fire).  
Each kiln fires differently. Please use this schedule as a starting point.

Segment	Rate (degrees/hr)	Temperature	Hold
Segment 1	222°C/hr (400°F)	→ 677°C (1250°F)	30 min
Segment 2	333°C/hr (600°F)	→ 760°C (1400°F)	10 min
Segment 3	999°C/hr (AFAP)	→ 482°C (900°F)	60 min
Segment 4	83°C/hr (150°F)	→ 371°C (700°F)	End

## Tips for Full Fusing between Layers:

This is possible but can cause your decal to fade. If you wish to fire the decal between layers, first pre-fire the decal to the top of the base glass using the schedule above. Next, sift a very thin layer of clear powder over the decal, cap and fire to a full fuse. A basic full fuse firing schedule can be found on our Knowledge Base.

## Tips for Coloured Decals:

- Coloured decals may fade or change colour slightly.
- Colours may react with some glasses such as French Vanilla to produce interesting effects.
- Try backing coloured decals with white or pale opal glass to visually enhance the decal.

## Looking for Tips & Advice?

Visit the Knowledge Base on our website for a wealth of information: [www.warm-glass.co.uk](http://www.warm-glass.co.uk)

# Instructions: Standard Decals (Ceramics)



## Application Instructions (read all steps before proceeding):

Apply the decal to your finished fired pieces. Decals do not fire to very high temperatures so should be applied after the glaze firing.

1. Clean the ceramic surface where the decal will go.
2. Remove the wax paper barrier, if any, from the decal surface.
3. If desired, cut the decal to the required shape using a craft knife or scissors.
4. Soak the decal in a shallow pan of warm water until it easily slides off the paper. It is easier to apply the decal directly from the paper to the ceramic piece. Leaving it in water too long will result in the decal floating off the base paper and it will be difficult to apply.
5. After applying the decal, use a paper towel to blot excess water and gently smooth out any wrinkles or air bubbles. If air bubbles are not gently rubbed out, a tiny hole will pop through the decal when fired.
6. Change water frequently after soaking several decals to remove impurities.
7. All moisture must be removed prior to firing. Overnight drying is highly recommended.

## Firing Instructions:

Clay	Temperature
Earthenware	785 - 820°C
Stoneware	820 - 850°C
Porcelain	830 - 860°C

## Tips for Coloured Decals:

- Coloured decals may fade or change colour slightly.
- Colours may react with some glazes to produce interesting effects.
- Try backing coloured decals with white or pale glazes to visually enhance the decal.

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## Application Instructions (read all steps before proceeding):

Decals are best used on top or underneath your piece. If you wish to fire your piece to a full fuse then you should pre-fire the piece to 804°C before adding the decal and firing again using the schedule below.

8. Clean the glass surface where the decal will go.
9. Remove the wax paper barrier, if any, from the decal surface.
10. If desired, cut the decal to the required shape using a craft knife or scissors.
11. Soak the decal in a shallow pan of warm water until it easily slides off the paper. It is easier to apply the decal directly from the paper to the glass piece. Leaving it in water too long will result in the decal floating off the base paper and it will be difficult to apply.
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