

## **Adhesive Recipes Wheat Paste + Methyl Cellulose**

### **Wheat Paste Recipe**

1. Mix a 5:1 solution of water to wheat (1½ cups cold water + ¼ cup wheat starch)
2. Let soak for 30 minutes
3. Pour into double boiler (preferably glass) and heat stirring constantly for 30-40 minutes  
OR  
Pour into microwave-safe bowl and heat at 20-second intervals, stirring between each
4. Keep heating until the past thickens, turning from opaque to slightly translucent
5. For paste paper ONLY, remove from heat and stir in a few drops of dish detergent
6. Allow to cool, pour a 1-inch layer of water over the surface and store in a lidded container

### **Methyl Cellulose (for Talas brand)**

1. We are aiming for a 3% solution

1000mL x .03 = 30g methyl cellulose

1000mL – 30 = 970 mL water

1 Tbs = approximately 7g Talas methyl cellulose

4.5 Tbs x 7g = 31.5b methyl cellulose

2. Boil approximately 1/3 of the water (320 mL)
3. When the water boils, add 4.5 methyl cellulose powder and whisk until the powder disperses
4. Add the remaining cool water (650 mL) and whisk until the solution begins to thicken
5. Stir gently 5-6 times over the next hour as the solution cools and thickens
6. Mix 1:3 with PVA to extend drying time