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## The Applications of Wheat Starch

Wheat Starch is used in many industries as a raw material. Some of the industries that use Wheat Starch are Textile, Paper-making, Food, Petroleum, Drilling, Medical, Cosmetics, Construction, Agriculture, Forestry, Horticulture, Metal Casting, Poultry Feed, General Chemical Industry, Industrial Waste Water Treatment and other various industries.

Wheat Starch is extracted from wheat in powder form and is used as finishing material and it has many applications, it is mainly used in the food industry as a Thickener, Gelling Agent and as a Stabilizer. In the Paper Industry as an Adhesive, and is the raw material to make Starch Sugar.

Here is a brief introduction to its applications:

### 1. PAPER-MAKING INDUSTRY:

In the process of Paper-making, adding wheat starch can improve the surface strength of paper, improve the adhesion of paper, increase the weight of paper, save electricity consumption and reduce environmental pollution in the manufacturing process.

### 2. CARTON MAKING INDUSTRY:

Wheat Starch works as a very good adhesive in sheet corrugation process. Its Gelling Capacity is better than Corn Starch, Needs Less Heat and gives 10% more Production than Corn Starch.

### 3. TEXTILE INDUSTRY:

Starch is mainly used in the sizing process of cotton fabric, which can maintain the smoothness and wear-resisting performance of the fabric during weaving, so that the fabric has a good feel and smooth surface.

### 4. DOMESTIC USE – LAUNDRY SIZING:

Wheat Starch is very good when used on clothing to make them stiff. (کپڑوں کو کھف لگانا)

### 5. OIL INDUSTRY:

The pre-gelatinized wheat starch is resistant to high temperatures and pressures, so it can be used in oil drilling as a consistency stabilizer, allowing it to coagulate to control the loss of mud moisture.

### 6. MEDICAL INDUSTRY:

Wheat starch has stable chemical properties, and is more viscous, non-toxic and tasteless. It can be used to make capsules and tablets.

### 7. FOOD INDUSTRY:

Because of its high viscosity it is commonly used as a thickener, binder and emulsifier. It can also be used as a soup thickener. It is also used to enhance the softness and taste of the food.