



**PATEL MINECHEM**



# **FILTER AID**

**(HYFLO/ HYFLOW SUPERCELL)**

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It is great pride to introduce ourselves as manufacturer and exporter of high quality **FILTER AID (Hyflo/Hyflow Super Cell)** earth from 2016. We have plant capacity 6,000 MT per annum in powder forms.

We are affianced in the manufacture and supply of **HIGH QUALITY FILTER AID** under the brand name **FLOWELL** out of imported raw materials. We could maintain or exceed standards that are demanded by the best companies in India and overseas.

The product is widely have gained acceptance in almost every industry concerned with separation of liquids and solids, even gasses and soiled used for filtration liquids.

The correct grade of **FILTER AID** that you may require will depend on the nature of liquid you are filtering. Worldwide demand for good quality **FILTER AID** has been showing an upward trend. With only a few manufacturers, with limited capacities in India, to meet the growing needs, many companies are relying on imported **FILTER AID**.

### WHY USE OUR FILTER AID??

- ☑ To remove solid suspended impurities from liquids
- ☑ To get Excellent Clarity of liquid
- ☑ A Consistent Flow rate

### FILTER AID MANUFACTURING PROCESS

Perlite in its natural state is a volcanic siliceous rock containing 3-4% of occlude water. When crushed and heated up to a temperature of approx. 950 C, it pops like popcorn expanding to about 20 or more times its original volume. This popping action gives rise to a host of properties that make the Expanded Perlite ideal for use in many industrial applications. The expansion process also creates one of perlite's most distinguishing characteristics: WHITE COLOUR.

**PATEL MINECHEM** has set up a sophisticated & state of art plant near Ahmedabad for manufacturing FILTER AID under the brand name **FLOWELL** which is widely used for filtration. The plant is located at Mehsana, dist. North Gujarat.

### FILTER AID is used as:

- 1. Precoat:** The liquid to be Filteraid is allowed to flow through a packed layer of Filteraid.
- 2. Body feed:** Filteraid itself is added to the liquid to be Filteraid.

### Industrial applications of FILTER AID

- ✓ Chemicals
- ✓ Paints
- ✓ Dyes
- ✓ Dextrose/Glucose
- ✓ Antibiotics
- ✓ Resins
- ✓ Vegetable oil
- ✓ Soft drinks

## PHYSICAL PROPERTIES

Description	Value
COLOUR	WHITE
DRY LOOSE DENSITY ( gms / cc )	0.080 TO 0.11
WET CAKE DENSITY ( gms / cc )	0.215
MOISTURE AT 105 degree C ( Max )	1.5%
WATER ABSORPTION (%w/w)	280 TO 345
OIL ABSORPTION (%w/w)	230 TO 265
HYGROSCOPICITY	NIL
SPECIFIC GRAVITY	2.34
FLOW RATE	1650 approx.
MEAN PARTICLE SIZE (microns)	12.0 to 18.0
% RETAINED ON 150 MESH (max)	17.0 apprx.
% RETAINED ON 325 MESH (max)	60.0 apprx.

## CHEMICAL PROPERTIES

SILICON DIOXIDE %	70.0 TO 76.0
ALUMINIUM OXIDE %	10.0 TO 14.0
FERRIC OXIDE % (max)	0.40
FERROUS OXIDE % (max)	0.50
CALCIUM OXIDE %	0.50
MAGNESIUM OXIDE %	0.20
SODIUM OXIDE %	3.0 TO 4.0
POTASSIUM OXIDE %	4.0 TO 5.0
ORGANIC MATTER %	NIL
pH OF 10% SLURRY IN WATER	6.5 TO 8.0

SOLUBILITY	SOMEWHAT SOLUBLE	NEGLIGIBLE
	IN STRONG ACIDS/ALKALI	IN WATER AND WEAK ACIDS

**\*Note: The above specifications and information given here in are in good faith, but without warranty.**

## PACKING, STORAGE & HANDLING

**Packaging Quality:** - Packed with inner plastic and outer PP and HDPE Bag

**Packing Size:** - 25Kgs, 50Kgs, 500Kgs, 1000Kgs & Jumbo bags

### **Storage:**

It is essential to store the product in a dry place to avoid moisture absorption.

### **Handling:**

Our product is free flowing powder/granular. It can very well be automatically conveyed via vacuum line. Normal handling effect has no effect on skin.

