

## SPRAY STARCH 30

**Description :** SPRAY 30 is a modified acetylated starch derived from tapioca roots. The starch is specifically modified and formulated to improve performance in papermaking.

**Application :** SPRAY 30 is used as spray in paper manufacturing, specifically for multi-layer coating.

**Function and Benefit :** SPRAY 30 is needed in papermaking for storage and smoother surface. It can guarantee superior ply bonding and burst strength at lower dosage, resulting in reduction of BOD and COD values. Thus it promotes saving in overall production costs. SPRAY 30 also reduces fuzz, stiffness, and curling tendency whilst improving printability and surface strength.

### PHYSICAL AND CHEMICAL DATA

Degree of Substitution	0.028 - 0.032	
Dry solid content	Min. 86	%
pH (at 20% solution)	5.0 - 7.0	
Conductivity	Max. 500	uS/cm
Sieve test: pass through 40 mesh	Min. 98	%
Viscosity	20 - 50	cP
Ash	Max. 0.5	%
Colour	White to off-white	
Odour	Odourless	

**Packaging :** 25-kg Open Mouth Multiwall Paperbag  
 850-kg Circular Woven Jumbo Bag

**Label Instruction :** Product name, manufacturer's details, manufacturing date, expiry date, lot number and net weight.

**Shelf Life & Storage Condition :** 2-year shelf life. Keep closed packaging in dry and clean area at ambient temperature.

Do not store near aromatic material and ignition source.

**Safety Information :** Please see Material Safety Data Sheet (MSDS)

#### Head Office

##### Mc Andrew and Partners Co.,Ltd.

1/241 Venice Di iris Soi Watcharapol 2/7  
 Watcharapol Road, Tharang, Bangkhen,  
 Bangkok, 10220, Thailand

Fax : +66 (0) 2103 - 6185

Tel : +66 (0) 2103 - 6184

#### Manufacturing Plant

##### Mc Andrew and Partners Co.,Ltd.

129, Moo 8, Chanthaburi-Sakao Road,  
 Tubsai, Pongnamron,  
 Chanthaburi, 22140, Thailand

Fax : +66 (0) 2103 - 6185

Tel : +66 (0) 2103 - 6184