

## PRODUCT DATA

**PRODUCT NAME: AK 201**

**PRODUCT DESCRIPTION:** Fire resistant chemical treatment for fabric .

### RECOMMENDED USE

Applied on furnishing fabric such as Tent, carpets curtains canvas cardboard industrial felt to make them flame proof as per BS-3120.

### PHYSICAL DATA

**COLOUR:** Non – flammable, colorless liquid

### THEORITICAL COVERAGE

The coverage of material varies depending upon the weight of fabric and hence can not be generalized. Some indications are as follows :

**Grey Canvas :** 3-4 sq mtr / Kg.

Furnishing Fabric : 6-7 Sq Mtr / Kg

Specific Gravity : 1.1

Limiting oxygen index : Over 80

**SHELF LIFE:** One Year in sealed container.

### APPLICATION METHOD

Dip or spray materials to be treated must be soaked and squeezed in such a manner that after drying, the weight of the material increases by about 15 to 18 percent. Ordinarily this can be achieved by dipping or spraying on the material till fully wet as required for the duration of 2 to 10 minutes. Gray canvas should be soaked for 1 hour to 24 hours depending upon its weight.

### RESISTANCE GUIDE

Fire : Fabrics treated with FABKOT AK – 201 will confirm to BS 3120 when tested as pretest method described in BS 3119.

Dry Cleaning : Withstands numerous washes

Water wash : Withstands 5 washes.

## **IMPORTANT**

Furnishing Fabrics, curtains, mattress, coir's , carpets etc. are highly flammable and hence, potential fire hazard, which need flame proofing to minimize fire risk.

National Building code part IV , Para 11.6.1 states :

“ For assembly buildings, all fabrics and stage settings made of combustible materials shall be treated with flame proofing materials “

**FLAME PROOFED FABRIC** : When in contact with fire only char but do not spread flame.

Flame proofing is either DURABLE or NON-DURABLE.

Flameproofing properties remain unaffected with washing in case of durable treatment whereas the flame proofing treatment has to be repeated after every water wash in case of non- durable treatment.

### **DURABLE TREATMENT:**

Durable flame proof fabrics conforming to BS 3120 tested as per BS 3119 can be supplied to consumers specifications. However, by virtue of the limitations in the process involved for durable treatment, only large quantities are commercially available. There are other obvious constraints such as limited fabrics range, non – availability of similar colour and shade on later date, and inability to meet smaller requirement for partial replacements etc, and attendant delays which result in additional cost penalties.

These constraints make durable flame proofing an expensive proposition particularly for furnishing fabrics, curtains, mattress covers, carpets etc. which are either never washed or rarely washed i.e. Once in 6 months or a year but not more than a few times during their useful service life.

### **NON – DURABLE FLAME PROOFING :**

Provides the cost effective solution to the above problems and is therefore universally acceptable.

## Flame proofing with FABKOT AK-201

Flame proofing of fabrics with FABKOT AK-201 is extremely convenient, economical and very effective. The process involved is simple dip or spray and can be easily carried out by the customer at his premises.

FABKOT AK-201 does not affect flexibility, feel texture or colour fastness of the fabrics, Drape of curtain is considerably improved due to its increased weight.

Customer therefore, enjoys liberty to choose fabrics, colors designs and source of his choice.

## GOVERNING SPECIFICATIONS AND CERTIFICATION

Fabrics treated with FABKOT AK – 201 will confirm to BS 3120 est as per BS 3119.

## **GOVERNING NEEDS**

You could be aware that these flammable material are potent fire hazards and need flame proofing to minimize fire risk . National Building Codes Part IV Para 11.6.1 states that all fabrics and stage setting made of combustible material for assembly buildings shall be treated with flame proofing material . Fabric treated with Fabkot, when in contact with fire, will only char but will not spread flame, thereby stopping propagation of fire completely.

## **DISCLAIMER**

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