

ACRYSIZE EVR

TEXTILE YARN CONDITIONING AGENT

VINYL POLYMER BASED WATER SOLUBLE IN POWDER FORM

PHYSICAL PROPERTIES

APPEARANCE : WHITE TO SLIGHTLY PALE COLOUR FREELY FLOWING POWDER.
CHEMICAL NATURE : VINYL POLYMER HAVING PSEUDO CATIONIC NATURE.

APPLICATION

Thanks to High Tech formulation, the product "**ACRYSIZE EVR**" has wide range of applications. In Textiles, it is used as **Fabric Conditioning Agent** in final finishing process.

In Textile Yarn Sizing, it is a better substitute of **Polyvinyl Alcohol**. Very low level of concentration is required in the Regular Sizing Process. It is compatible with the natural Polysaccharides like Maize, Modified Sago & Tapioca Starches.

It imparts silky, smooth & highly elastic characteristics to the yarn of either quality. It has high tack & binding properties & completely suppresses the protruding fibers / hairiness of the yarn.

As the product **ACRYSIZE EVR** reacts with the Hydroxyl Group present in the glucose unite of starch, it forms a complex compound which remains soluble & this complex covers the yarn & so in this way strengthens the yarn & minimizes the dusting.

The product has excellent **Thixotropic Behavior** thickening the size liquor. So minimize the use of starch as well. The film formed throughout the yarn length remains soluble & during de-sizing can be easily removed without any vigorous chemical treatment.

TYPICAL RECIPE

MAIZE STARCH	= 70 KG (Thin boiling)
ACRYSIZE EVR	= 02.5 KG (EQUIALNT QTY. OF 18 – 20 KG PVA)
SUPERSIZE VA *	= 20 KG
ORGANOL T-30 *	= 02 KG
WATER TO MAKE	= 700 LITRE SIZE LIQUOR.
LOADIND TO MAKE	= 14 – 15 % FOR FINE COUNT
	= 10 – 11 % FOR COARSER COUNT.



ORGANO CHEMICALS (PVT) LTD.

2ND FLOOR, ZIA COMMERCIAL PLAZA ,P-135,STREET # 10 WAKILAN,
KATCHERY BAZAR, FAISALABAD,PAKISTAN.

PH: 92-41-2624946 FAX: 92-41-2636504 E.MAIL:organo@fsd.comsats.net.pk

NOTE: The product **concentration** is adjusted either on the total size **liquor** as 0.35 % or adjusted 1 to 6 PVA qty. i.e if **PVA is 06-07 KG**, then **ACRYSIZE EVR** will be used as **01 KG** only. Higher ratio Can be used after repeated production results.

ADVANTAGES

- HIGH WEAVING EFFECIENCY.
- EASY TO DESIZE.
- NO DUSTING.
- MINIMISES THE USE OF PVA & STARCH THUS VERY ECONOMICAL.

PROCEDURE TO COOK SIZE LIQUOR

Starch is mixed in cold water & mean while **ACRYSIZE EVR** in required quantity should be added by slowly sprinkling & stirring. Then steam is given to raise the temperature to 90⁰ C. At this temperature cook for 30-40 minutes.

ACRYSIZE EVR is soluble in cold water but takes longer time . For this reason , normal cooking conditions for starches are enough to dissolve earlier. Finally the softener is added.

ACRYSIZE EVR is viscosity enhancer, so trial should be made prior to use it in routine sizing process. Quantity of starches & water level should be adjusted as according to :

- THE COUNT OF THE YARN.
- NATURE OF THE YARN QUALITY & FABRIC CONSTRUCTION.
- LOOM EFFECIENCY DEPENDS UPON SPEED & TYPE OF MACHINE.
- WEAVING SHED HUMIDITY CONDITIONS.

PACKING / STORAGE

- * **ACRYSIZE EVR** is available in 25 KG PP BAGS with inner polythene valve packing.
- * As the product absorbs moisture , so may become sticky & lumpy if bags kept open. Therefore keep the bags tightly closed after getting the required qty. to use every time.

SHELF LIFE

If the bags kept secure in sealed form, then it can last for one year.



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