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**EXPERIENCED ALGINATE USERS - PLEASE FOLLOW DIRECTIONS**  
**AS FIBERGEL MIXES DIFFERENTLY THAN OTHER ALGINATES**

# FIBERGEL™ E F/X GRADE ALGINATE

## NON-TOXIC – SAFE FOR BODY CONTACT

**DESCRIPTION:** FiberGel E F/X Grade Alginate is a dry white powder, refined from seaweed, combined with a duo-fiber matrix which when mixed with water (16 ounces of water to 4.75-5.0 ounces of FiberGel by weight) provides and extremely strong, shrink resistant skin-safe mold. Mix ratios yield thick creamy white mix with a pinkish hue about the consistency of thin peanut butter with a working time of up to 5-6 minutes using 80°F water. Allowing for a mix time of one minute, this provides an application time of about 4-5 minutes. Demolding can be accomplished; 2 to 3 minutes after the mix can no longer be worked. For making body casts, since you will need to apply a mother mold of plaster bandages or cheese cloth soaked in plaster to support the FiberGel mold, there will be more than sufficient time for the FiberGel to have set when the support mold is ready to demold.

**MODEL PREPARATION:** FiberGel can be applied to most surfaces with little preparation since FiberGel will not stick to most surfaces including itself. A small test cure should always be done prior to application to be sure the FiberGel releases cleanly. A thin coat of petroleum jelly should be applied to eyebrows and eyelashes and ArtMolds' Water Soluble Release MoldEZ™, should be applied to all other hair. A thicker coat needs to be applied to hair to prevent the hair from being entangled in the FiberGel when it is demolded. Use only petroleum jelly on eyebrows and eyelids as MoldEZ can cause a little stinging if gets into the eye

**MIXING AND CURING:** For best results **WEIGH OUT** the proper amounts of FiberGel powder and warm water using a gram scale. Cold water will delay set time, warmer water will increase set time. FiberGel is applied much thicker than other alginates, yet its formula will allow you to achieve forensic detail in spite of the thickness.

Face without ears: 2-lbs of water / 9.5 – 10.0 grams of FiberGel  
Full Head (including partial shoulders): 8-lbs of water / 2-lbs 6-ounces to 2.5 lbs  
Front Torso (neck to mid thigh): 8-lbs of water / 2-lbs 6-ounces to 2.5 lbs.

For best results sift the powder through your fingers to break up any fiber clumps that can accumulate during shipping. Add powder to water and mix for 30-60 seconds using a JiffyMixer® on a variable speed drill. A mechanical mixer is required to eliminate lumps. **HAND MIXING IS TO BE AVOIDED** because lumps cannot be adequately removed. Thicken with more powder, thin with more water. Apply to surface with a flowing motion pushing air out ahead of material.

FiberGel will not bond to itself unless the previous coat has not completely gelled. Thus, a large mold requiring more than one batch of FiberGel mix should be mixed within in the setting time of the previous batch. If this is not possible then coating the dried FiberGel with Algislo™ will aid in the bonding of the fresh mix to the gelled mix. As soon as the last coat of FiberGel is firm, apply the mother mold. When the mother mold has set, remove the FiberGel and for best dimensional stability, immediately make a positive cast within 2-4 hours of molding. FiberGel retains moisture due to the fiber content and as a result will not require immediate casting as most alginate do. Most situations will require only one coat of FiberGel due to its superior strength and coverage characteristics

**USING THE MOLD:** Plaster or waxes, or clay below 212°F may be poured in FiberGel molds. Castings should be made in the freshest possible mold for best results because as the FiberGel continues to dry it will shrink, distort and lose detail. Your mold may be kept usable in plastic bags or sealed in an airtight container up to a few days or frozen. Molds should then be discarded. Applicable for resin casting if ultra fast set resins are used.

**SAFETY AND CLEANUP:** FiberGel powder may cause dust when being handled. If dust is present, wear a dust mask and avoid eye contact. FiberGel is not for human consumption or use against mucous membranes. Skin contact should be kept as short as possible. Hair must be slicked down with mold release. Keep your containers of FiberGel tightly closed as atmospheric moisture may cause lumping and deterioration of the product.

**DISCLAIMER:** The information in this bulletin and otherwise provided by ArtMolds is considered accurate. However, no warranty is expressed or implied regarding the accuracy of this date, the results to be obtained by the use thereof, or that any such use will not infringe any patent. The user assumes all risk and liability whatsoever in connection therewith.

**KEEP OUT OF REACH OF CHILDREN**