

DOUGLAS and STURGES

Ingredients for ART

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Using Dermagel Retarder and Bonding Agent

Dermagel Retarder and Bonding Agent can be used to increase the utility of alginate by allowing the user to create larger molds either by bonding fresh material to product that has already set or by extending the working time of the Dermagel. In order to use these products successfully, it is best if they can be weighed out accurately in very small quantities.

Results may vary when using Dermagel Retarder depending on the water quality and temperature. Generally by starting with room temperature tap water one can expect to extend the working time of Dermagel by as much as 30 minutes. It is recommended that the retarder be added directly to the water being used before adding Dermagel to the water. The following chart is offered as a guide.

Percent Retarder*	Set Time
0	9 minutes
.5	12 minutes
1	24 minutes
2	44 minutes

(*based on weight of Dermagel using a baseline formula of 15g Dermagel to 70g water)

Bonding Agent can be used to continue creating a mold when Dermagel has set and one wants to continue by adding more material to gelled product. To use, mix 4 grams of bonding agent to each ounce of warm water. Mix thoroughly until the powder is dissolved completely. Spray thin film of this mixture using pump sprayer over gelled alginate. Allow the Bonding Agent to dwell on surface for 3-5 seconds and wipe off with absorbent cloth. Rinse lightly with clear water and dab dry with cloth. Apply new layer of Dermagel and continue molding process. The Bonding Agent will degrade in dissolved form. Mix fresh solution for each use.