

# Technical Bulletin 207



## Five Star® DP Epoxy Grout Single Bag Mixing Ratios

Five Star Products always recommends mixing full units of Five Star® DP Epoxy Grout to ensure that the correct ratios of resin, hardener, and aggregate are used so that the resultant product will meet the published properties.

If it becomes necessary to mix a smaller volume (single bag unit) because of an unplanned event (i.e., mortar mixer failure, unexpected settling of material, etc.), a unit of Five Star® DP Epoxy Grout (5-bag unit) or Five Star® DP Epoxy Grout High Flow (4-bag unit) can be mixed as a single bag unit if the user has a way to accurately weigh the liquids. **The decision to employ this approach and the risk of using the material in this manner rests with the user and should be approved by the project engineer.**

The weights of individual components are published on Five Star® DP Epoxy Grout Technical Data Sheet and Five Star® DP Epoxy Grout High Flow Technical Data Sheet. The calculated weights for a single bag unit (from a 5-bag or 4-bag unit) are as follows:

25% of Resin (Component A)	20.9 lbs. x 25% = 5.23 lbs. (2,372 grams)
25% of Hardener (Component B)	6.3 lbs. x 25% = 1.58 lbs. (715 grams)
1 bag of Aggregate (Component C)	50 lbs.

Five Star recommends gently mixing the individual components first (to ensure there has been no settling) before extracting 25% of the liquids. NOTE: These measurements are slightly different than what is published on Five Star® DP Epoxy Grout High Flow (small unit) Technical Data Sheet. This is due to how the material is expected to flow out of the respective containers. If you use the weights published on Five Star® DP Epoxy Grout High Flow (small unit) Technical Data Sheet, you will not get four complete units out of the larger liquid containers.

If an accurate method for weighing the liquids is employed, Five Star agrees that using a liquid mix of 25% of the resin and 25% of the hardener and a single bag of aggregate should result in a product equivalent to Five Star® DP Epoxy Grout High Flow (small unit). Five Star also recommends that the user follow the normal testing protocols to verify that the grout has been mixed and installed properly.

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