



# High-Performance Clear Grain Filler Technical Data Sheet

**PRODUCT DESCRIPTION:** High-Performance Clear Grain Filler is a water borne, easy to sand, clear gel wood grain filler used to fill pores and grains in woods. This product is easy to apply, levels the surface, and dries crystal clear and transparent while helping attain a glass smooth finish. This High Performance sealer will help minimize the further penetration of sealers and topcoats. It is excellent at showcasing the natural color and character of the wood but can also be tinted easily if desired. This product can be used on wooden instruments, cabinets, tabletops, desktops, keepsake boxes, antique restoration and more.

**FEATURES:** Available container sizes: Pint, Quart, Gallon, 5 Gallon Pail

Easy to use Gel	Non Yellowing	Easy Sanding	Water Based
Good build	Low Odor	Exceptional Clarity	Compatible with solvent-based topcoats

PRODUCT DATA:			
Sheen	N/A	Weight Solids*	23-25
Weight Per Gallon*	8.6 (+/-) 0.2	Volume Solids*	17-19
Viscosity as supplied	Viscous Gel	VOC*	<200 g/l
Coverage	Approx. 450 sq. ft. per gal	VOC Content*	<1.80 lbs/gal
Shelf Life	>12 months in a properly sealed container at 60-80F	Storage	60-85F Passes 2 Freeze Thaw Cycles
Flash Point	94c 200F	Boiling Point	100 Celsius/ 212 Farenheit

MIXING/APPLICATION:	
Working Temp:	65-85 degrees F
Pot Life/Catalyst:	N/A
Mixing:	Ready to Use
Reducer:	If needed, water. Up to 5%
Surface Preparation:	Wood must be clean, dry and finish sanded. Substrates should be free of grease, oil, dirt, fingerprints and any contamination to ensure optimum adhesion and coating performance properties. Remove all dust with vacuum, forced air, or damp cloth/water [no tac cloth] .On bare wood sand with the grain using #120 grit and finish with #220 grit.
General Application:	High Performance Clear Grain Filler can be applied on raw wood or after the wood is stained. Stain may be applied before or after using Grain Filler. If using solvent-based stain, allow 48-72 hours of dry time before applying Grain Filler. If using water-based stain, a seal coat of dewax shellac is recommended before the Grain Filler is applied. Stain and seal coat must be dry and lightly sanded with a #320-grit sandpaper immediately before first coat of Grain Filler for adhesion purposes. Grain filler can be tinted with water soluble tints or dyes. Apply Grain Filler in small sections in thin coats with a flexible putty knife, credit card or rag. Ensure grain is filled then quickly scrape WITH THE GRAIN to remove excess. Let dry 60 minutes in ideal conditions. If grain is not filled repeat the application process; 2 coats recommended. Lightly sand with a 320 grit or finer immediately before next coat of Grain Filler or top coat for adhesion purposes. Allow overnight dry time before final coats of finish are applied.
Drying times:	Aqua Coat Grain Filler-60 minutes to touch, time to sand and recoat 1-2 hours, 70 F and 50% RH. (Cooler temperatures will prolong dry time up to 4-6 hours.)
Tinting	Trans Tints/Dyes {Water Soluble}
Clean up:	Use warm, soapy water
Recommended Sealer	Aqua Coat X-119 Sanding Sealer or wax free shellac
Recommended Stain:	Aqua Tone Stains

**CAUTIONS:** The technical data noted herein is accurate as of the date of publication and is subject to change without prior notice. Aqua Coat assumes no responsibility for coverage, performance or injuries resulting from use. Liability if any is limited to replacement of products. This product is intended for Industrial use only. Refer to the SDS for safety and any cautions prior to use. We recommend a test sample to insure adequate adhesion to substrate, proper curing conditions and desired performance. Optimal results depend on a number of factors: nature of the substrate, the technical and physical possibilities, as well as the user's application technique.

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