

	<b>Archival board box</b>	<b>Nonvented plastic can</b>	<b>Nonvented metal can</b>	<b>Vented plastic can</b>	<b>Vented Metal can</b>	<b>Sealed can</b>
<b>Materials</b>	Archival cardboard containing alkaline buffer and sometimes zeolites.	Polypropylene. Earlier products used polyethylene. Plastic may contain flame retardant. Color based on pigments.	Steel with either tinfoil or anti-corrosion coating (e.g., Kodak latex-based paint).	<b>Polypropylene. Plastic may contain flame retardant. Color based on pigments.</b>	Stainless steel with replaceable filter insert.	Plastic or metal. (Molecular sieves may be added inside can). Moisture-proof materials should be used.
<b>Design</b>	Commonly, cardboard box with metal edges.	May be circular or square.	Molded ridges on cover and bottom.	<b>Various designs.</b>	Perforated can (lid and bottom).	Variable.

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<b>Durability</b>	Short term.	Long term.	Long term.	Long term.	Long term.	Long term.
<b>Stackability</b>	Not suitable for stacking more than a few 1000ft film rolls. Load on bottom box can be an issue in a stack of several boxes.	Depends on can design.	Interlocking can designs optimize stackability. Load generally is not an issue	Depends on can design.	Load is not an issue. Not interlocking design.	Depends on configuration
<b>Shipping</b>	Not suitable.	Suitable.	Suitable.	Suitable.	May not be suitable.	Depends on configuration.

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<b>Fire protection</b>	No fire protection.	Some fire protection.	Some fire protection.	Some fire protection	Information not available.	Depends on configuration.
<b>Protection against water damage</b>	Flood: No Overhead: No	Flood: No Overhead: Yes	Flood: No Overhead: Yes	Flood: No Overhead: Yes	Flood: No Overhead: No	Flood: Yes Overhead: Yes
<b>Inertness</b>	Archival cardboard must pass PAT. <sup>1</sup>	Enclosure materials must pass PAT	Enclosure materials must pass PAT	Enclosure materials must pass PAT	Enclosure materials must pass PAT	Enclosure materials must pass PAT
<b>Corrosion</b>	Corrosion is not an issue with cardboard.	Corrosion is not an issue with plastic.	Anti-corrosion coating provides suitable resistance.	Corrosion is not an issue with plastics.	Highly resistant to corrosion.	Depends on enclosure type.

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<b>Control of vinegar syndrome</b>	Porosity of cardboard material helps. Under cold conditions benefits are marginal.	Should only be used under cold conditions	Should only be used under cold conditions	Ventilation helps. Under cold conditions benefits are marginal.	Ventilation helps. Under cold conditions benefits would be marginal.	Use of absorbents (e.g. molecular sieves) helps. Under cold conditions benefits are marginal.
<b>Recommended uses</b>	Suitable for short-term storage. Not recommended for long-term storage because of limited durability.	Suitable for most uses; not recommended for film collections affected by chemical decay except under cold storage conditions.	Suitable for most uses; not recommended for film collections affected by chemical decay except under cold storage conditions.	Suitable for most uses; optimal for film collections affected by chemical decay when combined with proper storage.	Should be suitable for most uses; should be optimal for film collections affected by chemical decay when combined with proper storage.	Not practical for large collections. May be used in the absence of RH control. Often used in conjunction with absorbents (e.g., molecular sieves) or at subfreezing temperatures.