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## **KaMin Shelf-Life Guidelines**

### **Dry Products**

KaMin's standard kaolin products supplied in dry form have an indefinite shelf life when warehoused and stored properly. However, packaging may degrade over time, so for safety reasons, it is recommended that product be used within 12 months to avoid any issues with the integrity of the packaging.

Surface-treated kaolin products have a maximum shelf life of 24 months. As indicated above, KaMin recommends use within 12 months to ensure packaging integrity.

### **Best Practices for Storage and Warehousing of Dry Products**

Storage considerations for KaMin dry packaged products include:

- Packages should remain unopened and protected from external contamination.
- The product should be protected from becoming damp or wet during storage. This can cause the formation of hard lumps in the bags, making the product more difficult to unload and disperse.
- Stacking of packaged products may lead to product compaction over extended periods of time. For example, the bottom bags on a pallet of 25 kg bags may be more difficult to disperse/use after more than a year standing. KaMin suggests that palletized and bulk-bagged products be stacked no more than two high.

### **Slurry Product**

KaMin's kaolin products supplied in slurry form have a maximum shelf life of 45 days when stored in their original, unopened shipping containers. The reasons for this shelf-life limitation include:

- the potential for settling of the product over time, and
- the potential for external bacterial contamination of the product.

Shelf-life recommendations are general guidelines and as such are provided for informational purposes only. KaMin MAKES NO WARRANTIES OR MERCHANTABILITY OR FITNESS FOR USE, OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. It is recommended that before using any product that has been stored for an extended period of time or whose packaging has been compromised that customer tests material according to the requirements. Any and all safety precautions and procedures should be followed if product packaging is in question.