

Kel-Crete Premium Liquid Admixture Questions & Answers

Q: What is Kel-Crete Premium Liquid Admixture?

A: Kel-Crete Premium Liquid Admixture is the only proprietarily blended admixture that provides **four** proven/tested functions that include **water reducing, plasticizing, air entraining and gelling all in one admixture**. As tested one gallon of Kel-Crete will replace, or is equal to one ton (2,000 pounds) of hydrated lime. It provides a non-toxic formulation that produces a homogenized consistency so as to pump or hand apply a smooth and workable mortar for plaster, masonry, shotcrete, concrete, etcetera to be used on the job site, or for pre-blended products.

Q: Has Kel-Crete been manufactured and distributed under any other name?

A: Yes, the Kel-Crete formulation has been copyrighted, manufactured and distributed as **Kel-Crete, Kel-Gel, Plast-R-Fat (not PRF!), and Mort-R-Fat (not MRF!)**.

Q: How long has Kel-Crete Premium Liquid Admixture been on the market?

A: Testing started in **1954**. However, the official distribution began in **1962**.

Q: Your suggested dosage for plaster and masonry mortars is 2 to 3 ounces per one cubic yard of cement. However, most of your independent test reports show only 2 ounces.

A: In most cases 2 ounces per cubic foot of Portland cement will perform for your needs. However, due to such a large variety of aggregates, sometimes 3 ounces is needed for plaster or masonry mortars.

Q: Almost all architectural specifications we look at now require us to address EPA “Leeds” and EPA “Carbon Footprinting” standards for materials specified. Will Kel-Crete admixtures meet these EPA standards?

A. LEEDS: This EPA standard refers to toxicity of materials. Since their introduction in 1962 Kel-Crete products have always been **non-toxic**, and will never pose a negative affect on our drinking water or wild life. As far as we know **no other admixture** on the market **can make and support this claim**.

B. Carbon Footprinting standards: This EPA standard refers to **how much energy** is required to manufacture, transport, stock, distribute, etc. the products, and **how long a project will last** or exist without failure, or need to be replaced using the products. Kel-Crete Premium Liquid Admixture’s base chemicals are all made/manufactured in the USA. There have been no reported failures of mortars using Kel-Crete on any project since its introduction 1962, **50 years and**

counting. No other admixture for the mortar industries can make and support these claims.

Q: How is Kel-Crete Premium Liquid Admixture packaged?

A: We stock in the most frequently used form of four gallons to a carton however, we can package, per the client's request, in 55-gallon, etcetera drums.

Q: We are now using a liquid admixture for pumping plaster. However, we still need to use a pump aid like Hillsbest in order to pump. Will we still need to use a pump aid when using Kel-Crete?

A: No. You may still use a product like Hillsbest to prime the pump manifold and hose for start up, but there is no need for pump aids after start up.

Q: Board life, workability, head joints, bonding, efflorescence, pumping, etcetera are normal concerns for our plaster, masonry, shotcrete, etcetera mortars. How will Kel-Crete perform for us?

A: A good gelled mix is of primary importance for getting the maximum benefits of Kel-Crete for all ASTM and UBC requirements. A good gelled mix is where you mix the total mix design for at least two minutes after the last shovel of sand/aggregates is added to the mix. Adding Kel-Crete to the water **before** the cement and aggregates will help very much with the time factor for gelling.

Q: Our bottom line is cost. Will Kel-Crete help us save on the overall cost in our industry?

A: Yes. Kel-Crete Premium Liquid Admixture will, and has a **50-year proven history** in saving on materials, equipment, fuel, and labor costs. No other admixture can make this claim and back it up.

Q: There is another admixture on the market called "Gibco's PRF" admixture that makes some of the same claims that you do. Are your products in any way related?

A: No. I, Chuck Green was, as history will show, a **sub-distributor** for Gibco Industries, Inc. from the latter part of the 1970's to the latter part of the '80's. I distributed Plast-R-Fat for them which during that time frame was the same formulation as the Kel-Crete Premium Liquid, but copyrighted and distributed as Plast-R-Fat as manufactured then by Kellert Industries, Inc. When Kellert Industries terminated their distributorship agreement and business relationship with Gibco Industries Gibco started distributing an admixture called PRF. I was given a letter stating that a name change was made due to the fact there was confusion with name **"FAT" as in "Plast-R-Fat"**. We at Kel-Crete Industries purchased all formulation, copyrights, test reports, history, documents, etc. to the Kel-Crete/Kel-Gel and Plast-R-Fat proprietary and otherwise in 1991, and have manufactured and distributed as Kel-Crete Premium Liquid Admixture

with Kel-Crete being the original name. All of the above applies to **Mort-R-Fat** which is the same product as Kel-Crete. All statements made here are of public record and documented in the Federal Court in the Northern District of Oklahoma. Case number is available upon request.

Q: We noticed there is a wide range in air content on your ASMT chart. Why is this?

A: The air content in our proprietary Kel-Crete formulation is determined by the **size of the aggregates** used in mix designs; masonry sand 12%, plaster sand 18%, shotcrete 8%, concrete 5%. The mixing time and the speed of mixing can also affect air content.

Q: We know what water reducing, plasticizing and air entraining functions do, but your product also provides a gelling function. What will that do for us?

A: The gelling function sets us apart from all other admixtures. We are the only admixture that can **proprietary** blend a gelling function into our admixture. This gelling function serves to **lubricate** every moving part including the hose for **pumping contractors**. The gelling also bonds the mix design together so as to disallow **separation and air content loss** at the same time provides a **denser, water resistant** mortar.

Q: We purchased some of your Kel-Crete admixture and left it outside and it started to freeze. Is the Kel-Crete still good to use?

A: Yes. We have never experienced Kel-Crete freezing into a solid. Just let it thaw out and it will be okay to use.

Q: Is there a shelf life?

A: No as long as the cap is sealed. It may settle a little, but just shake it good and it will be okay.

Q: We called around to some material suppliers to purchase some of the Kel-Crete admixture and were quoted \$77.00 to \$116.00 per gallon. Do you have a suggested contractor price?

A: We have no control over the price per gallon that a material supplier charges for Kel-Crete. Every material supplier has their own overhead cost to deal with based upon a number of variables. In your case I would go with the lowest price I could find. It is very smart to shop around as you did. We have clients overseas who have to pay 60% to 80% tariffs on top of the US purchase price but feel the benefits are worth the added cost. Remember one gallon of Kel-Crete will provide four functions for **42.67 to 64 one hundred pound sacks** of Portland cement and sand mix designs.

Q: I read in your literature that Kel-Crete will greatly reduce or eliminate silica fume in shotcrete. Is this true?

A: Yes plus the fact it's **non-toxic, and enhances** the overall ASTM requirements.

Q: Most of your test reports state using only 2 ounces of Kel-Crete admixture per 94 to 100 pounds of cement. Are you kidding me? How can just 2 ounces give so many benefits?

A: No we are not kidding. Our testing is based upon **minimum requirements**. Most of our plaster and masonry contractors are using 2 to 3 ounces per 94-pound sack of cement. Our shotcrete and concrete contractors are using **3 to 5 ounces per cubic yard**.

Q: Do you sell directly to contractors?

A: Yes and no. **No** we do not sell directly in areas where there is a stocking material supplier that supports our products. **Yes** we do sell directly where we have no material suppliers stocking or supporting our products. **Yes** we do **export** to contractors overseas.

Q: We now have, or have stocked another liquid admixture that is shipped from the Midwest. How does your admixture compare to that one with regards to benefits and cost?

A: We have the only admixture on the market with the proprietary knowledge to blend a **gelling** function/benefit into our product. The gelling function/benefits **greatly enhance** the others which are **water reducer, plasticizer, and air entraining functions**. **The delivered price** to our clients is **cheaper** than products shipped out of Oklahoma.

Q: Your three-coat plaster specification gives an option for the double-back method for applying the second coat of plaster. Is this method code approved? And what is the advantage of using this method?

A: Yes the double-back method for the second coat of plaster is code approved. I could go on and on about the advantages for using this method for plastering, but to just mention a few they are:

1. Saves **labor costs**.
2. Provides increased water retention for **better hydration**.
3. Reduces **shrinkage cracking**.

The double-back method for the second coat of plaster is applied **after the final set** of the first (scratch) coat which is **approximately 4 to 5 hours**. The first coat is hard enough when it can receive the second coat without doing damage from pressure of application.

Q: You often talk about the mixer man being the most important person on the plastering crew. Why is this so?

A: Yes I do however every person on the plaster crew is important. The mixer man is responsible for the **proper use of the equipment and for getting a proper gelled mix design for application.** There are so many additional reasons especially in the pumping plaster applications that would require a lot more space. For more information you may give me a call.

Q: We are a masonry contractor. Our main problem in today's construction environment is efflorescence bleeding. Will your Kel-Crete Premium Liquid Admixture help us?

A: Yes. Kel-Crete Premium Liquid Admixture will eliminate efflorescence in the masonry mortar. However, efflorescence can also be related to brick, stone, concrete block, etc. units. To eliminate it in the units see and use our **Kel-Prime specification.**

Summation:

In the plaster industry there seems to be new and interesting questions that come up on a daily basis, and although I have been involved in the plastering industry for more years than I care to remember I don't always have all the answers on the spot. I do however, enjoy working with the industry in obtaining them.

Chuck "Red" Green

Summation:

One never knows when, or what the next question will be. If you should have any further questions please call 800-845-1833.

