

Application

Put the binder directly into the mixing machine. After the binder is stirred to a homogeneous level, the pelleted feed can be produced by steam. It is effective in both long or short conditioning systems.

Inclusion rates

General inclusion: 1-5 kg per tonne of feed

Stability

Store in cool, dry conditions

Product stability at various temperatures

1 year	At temperatures below 30° C
6 months	At temperatures of 30° C to 40° C

Pelleted feeds soaked in fresh water

	0.5 hr	1 hr	1.5 hr	2 hr	4 hr
Control Feed (Without Binder)	+++	++++	++++	++++	++++
CMC – Na	+	+	++	++	+++
Wheaten Chondrio Protein Powder	–	+	++	++	+++
Sodium Alginate	+	+	++	++	+++
Feed with Meri-Bind	–	–	–	+	+

KEY: – no change on appearance after stirring.
+ pellets do not break when clipped lightly by forceps.
++ pellets dilate and can be clipped lightly by forceps.
+++ pellets break immediately when clipped lightly by forceps.
++++ pellets dilate completely & disintegrate after stirring fresh water.

Compatibility

Meri-Bind is compatible with all ingredients used in animal feeds and has no contra-indications or detrimental effects on any nutrients within the feed.

Meri-Bind

...when pellet quality matters

Perfecting Pellet Potential



A Quality Feed Additive from Meriden



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What is Meri-Bind?

Meri-Bind is a polymethylolcarbamide pellet binder.

Why use a pellet binder?

It is not advisable to rely solely on the intrinsic adhesive property of the feed. Pellet binders are required to bind complete feed pellets.

Why use Meri-Bind?

Meri-Bind bears the following advantages over other normal binders:

Wide Scope of Action - Meri-Bind is not only suitable for aquatic feed, but also for livestock and poultry feed.

Improved Pellet Quality - Pellets gain hardness and durability, resulting in a reduction of fines and waste, with low dust losses in the feedmill and during delivery. It enables more oils to be incorporated and keeps feed costs down. At the same time there is less external stickiness during cooling.

Harder and Stronger Pellets - Meri-Bind is water-activated. It thus becomes relatively non-hygroscopic unlike lignosulphonates or zeolites. Pellets can be handled in bulk with ease. They are more water-durable, more water-resistant and maintain physical integrity.

Attractive Feed - Pellets made with Meri-Bind will swell in water, becoming soft and flexible. Softer feeds are more attractive to shellfish and fish, easier to consume, and require less energy. Unlike other feeds which swell, pellets containing Meri-Bind remain tough and retain integrity, without breaking apart when touched.

Retains Natural Freshness - Meri-Bind has no peculiar odours. Therefore pellet feed retains the exquisite smell and natural freshness that fish and shellfish love.

Excellent Adhesive Properties – Meri-Bind will dramatically improve pellet stability in water. Actual production tests have shown that pellets made with Meri-Bind lasted from one to eight times longer in water compared with pellets made without Meri-Bind.

Excellent Water Tolerance - Meri-Bind has high tolerance to water and makes feed stable from 1 hour up to at least 4 hours in water.

Better Lubrication Properties - The lubricating properties of Meri-Bind are greater. This helps to lengthen die life, lower power requirements and increase feed output.

Environmentally Friendly - Meri-Bind is slowly biodegradable and has minimal effects on the Biological Oxygen Demand (BOD) of aquaculture ponds. This results in more efficient use of feed, thus decreased waste and decayed matter on pond bottoms to clean up.

Less Storage Space - Less storage space is required due to the low inclusion rate. This allows more floor/bin space for other ingredients and for less bag handling and disposal.

Production Efficiency - Production efficiency is increased due to lower power requirements, increased die life and increased tonnage output.

Low Inclusion Rates - The low inclusion rates of Meri-Bind allow maximum inclusion of other ingredients such as protein. When manufacturing high-energy rations this will help improve cost formulation.

