



PRODUCT INFO
& DATASHEET

Sico Agriculture Feeding

SICO AQUABIND[®] BIND DRY

Low Inclusion Pellet Binder and Hardener for use in fish feed

1. PRODUCT DESCRIPTION

The principle active ingredients in SICO AQUABIND are natural and synthetic gums and hydrated calcium sulphate as a pellet hardener.

Pellet quality is of considerable importance in aquaculture. Finished feeds are typically high in protein content and as a result there is limited natural carbohydrate binding capability.

Pellets that break down in the water not only waste valuable nutrients, but also are degraded by bacteria, increasing the Biological Oxygen Demand (BOD) as well as introducing an additional risk of pathogen survival.

To maintain pellet integrity it is necessary to use a water-activated binder, which is strong enough, and flexible enough to bind the fibres of the raw materials used.

The open matrix of floating pellets requires a hardener to maintain pellet integrity during handling, storage and transportation.

High inclusions of squid or tuna oils, used as attractants, further exacerbate the problem of pellet quality. If possible these ingredients should be sprayed onto the pellet using a post pelleting spray applicator.

2. APPLICATION & USAGE

1 – 5 kg/ton of feed, depending on the raw materials used.

The feed must contain some cereals, ideally wheat, to 10 – 20% of the formulation and achieve a pellet core temperature of 90°C.

3. ADVANTAGES : WHY SICO AQUABIND[®] IS YOUR BEST CHOICE !

1. SICO AQUABIND is **low inclusion** and is invaluable in fish feeds where formulation space is at a premium.
2. SICO AQUABIND is **water activated in the conditioner**. It then becomes relatively non hygroscopic unlike lignosulphonates or zeolites.
3. SICO AQUABIND is **slowly biodegradable** and has minimal effect on the BOD of aquaculture ponds.
4. SICO AQUABIND **improves pellet quality** enabling more oils to be incorporated into feed to keep costs down.
5. There is **a reduction in fines**, and hence wastereduction, with low dust losses both in the mill and during deliveries.
6. SICO AQUABIND makes the **pellets more durable** so they maintain physical integrity during handling.

4. PACKAGING

in 25 kg multiwalled paper bags, 17 MT/20' fcl