BDF retarder

Features

1. It can reduce the release rate of hydration heat of concrete products

The early strength development of concrete is closely related to the occurrence of concrete cracks. Early hydration is too fast, and the temperature changes too quickly, which will easily cause cracks in concrete, especially large-volume concrete. Because the internal temperature of concrete is not easy to spread, the temperature difference between inside and outside is large, which leads to the occurrence of concrete cracks, which greatly affects the concrete quality. The retarder can effectively improve this situation. It can inhibit the heat release rate of the heat of hydration, slow down the heat release heart rate and reduce the heat peak, and effectively prevent the occurrence of early concrete cracks.

2. It can reduce the loss of concrete slump

Practice shows that the use of retarders can significantly extend the initial setting time of concrete, and at the same time, the time interval between the initial setting and final setting of concrete is also shorter, which not only reduces the loss of coagulation slump, but also does not affect the early strength of concrete. increase. It has good application value, and there are more and more opportunities to be used in concrete construction.

3. The impact on strength

From the perspective of strength development, the early strength of concrete mixed with retarder is lower than that without mixing, especially 1d and 3d strength. But generally after 7d, the two will gradually stabilize.

Instructions

1. Make this product close to cement and disperse it in the cement, mix it fully with other materials, and extend the mixing time for more than 1 minute.

2. The dosage should be determined according to the adaptation of cement or concrete, and the general dosage range is 0.1~1% of the cement dosage.

3. After the concrete is finally set, be sure to pay attention to moisture curing within 7 days.

Scope of application

It is suitable for concrete fields such as roads, bridges, tunnels, industrial and civil buildings, military engineering, and civil air defense engineering.

Packaging and storage

1. This product is packed in an inner woven bag with a weight of 50kg/bag;

2. The storage period is six months under dry conditions.