

TG Squall

Dehydration strengthening agent for slurry shield method

TG Squall was developed to utilize with dehydration of a filter press in the secondary treatment of slurry shield method. TG Squall can improve dehydration property than PAC that is conventionally used.

It is also possible to use for water treatment such as municipal wastewater, industrial wastewater, and factory effluent.

Characteristic

- ◆ TG Squall shows good reactivity with the soil particles, and is easy to form a large floc.
- ◆ Because it has excellent aggregation properties, the water ratio of the dehydrated cake can be reduced, reduce the amount of industrial waste carryout.
- ◆ It is possible to reduce the pressing time by improving dehydration property.
- ◆ It is also possible to perform high-speed construction by reduction of press time.
- ◆ Because it contains no metal ions, it can be reused filtered water after filter press.

Properties

Product name	TG Squall P	TG Squall L
Main component	Cationic polymer coagulant	
Appearance	White micro bead	Light yellow liquid
Specific gravity	0.6 ~ 0.9	1.07 ~ 1.13
p H	2.5 ~ 4.0 (0.5 % water solution)	6.0 ~ 7.0 (1.0 % water solution)

Evaluation method of dehydration property

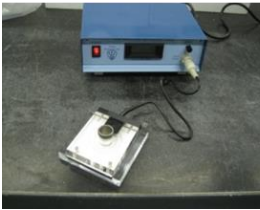
① Simple filtration testing machine



The slurry is dehydrated by applying the constant pressure, and evaluates dehydration property by measuring this dehydration amount.

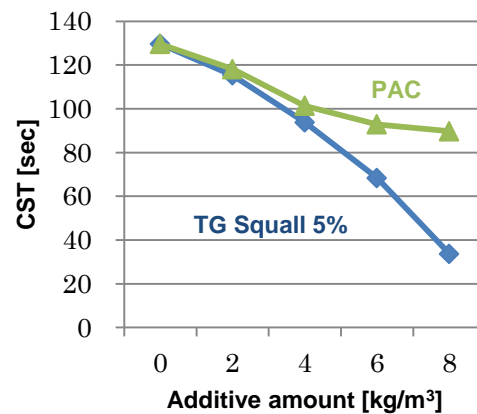
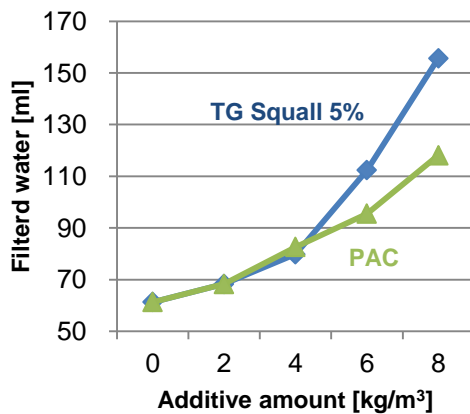
When the dehydration amount is large, reduces the water ratio of dehydrated cake.

② CST(Capillary Suction Time) test



CST is derived from the time taken to draw a known volume of filter from a suspension by the capillary suction pressure generated from filter paper.

When the CST is low, shows excellent dehydration property.



Package

1 m³ container



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