



Flooring Material Guide (G-coat)



1. The summary of G-coat

G-coat

Construction convenience

There's no difference with epoxy product's construction.

G-coat's hardening is rapid so that's the advantage of it compared to epoxy.

Ex) After finishing 'putty work' of G-coat, we can do top coating which is the next process after 4~5 hours. In case of epoxy, after finishing 'putty work' 24 hours later, 'top coating' is possible.

You can receive the best quality you want when you refer to the specification : however, most of the constructors don't follow

Especially, G-coat has little smell and it is rapid hardening. So its possible to construct on most areas even on weekend. (In case of epoxy, smell and constraints of hardening time make construction work on weekend hard.



 **GB월드트레이드**



2. Characteristic

G-coat

Strong and flexible

The exterior is (extremely) hard so it defends impact at first, after critical point, the interior is (strangely) soft So it absorbs the impact again (complex structure). Epoxy and poly urethane are made as single structure (hard or soft). It has one advantage only, so it's imperfect.

Excellent adhesive power (as penetration type, it exerts a chemical action on concrete so it makes the basic material stronger)

Good compression strength : 3 times stronger than epoxy.

Good flexural strength that shows you its interior is soft.

Little smell when constructing

It's well compatible with Epoxy and poly urethane so there's no problems when repairing later on. Little delamination (bird caging), abrasion : over 5 years without fee.



Reasonable price

Even though G-coat is constructed with 1mm, compared to epoxy (3mm, lining) its unit price is high

However, after construction, the quality of G-coat is 2~3 times higher than that of epoxy : The important point is a good construction.



Maintenance work convenience

If floor is thick, it looks strong from the outside. But 'crack' occurs more easily with external shock.

Especially, because floor is thick, there are a lot of unreasonable things in terms of time or expense when repairing it.

G-coat is simple in terms of repair and the result is good.

5. Photo of construction case



(Hyundai elevator)

Before



After



(IBIS Hotel underground parking lot)

