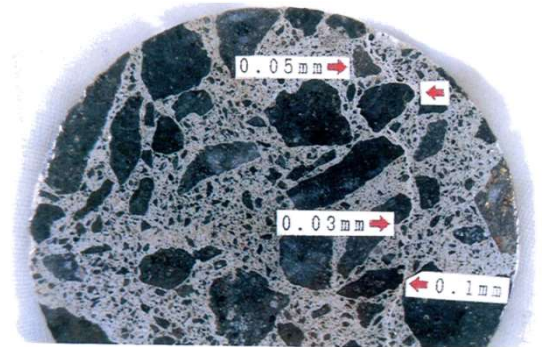


HI-STUFF

HI-STUFF is a concrete repairing material which main component is blast furnace slag. The slurry made from HI-STUFF and water can be injected into deep inside cracks and integrated with concrete.

1. Characteristics

- Long term durability
- Available in wet cracks
- Excellent permeability into thin cracks of about 0.05mm
- Inhibits the rusting of steel bars in concrete structures
- Just mix it with water on site and the quality is stable



2. Applications

- Cracks on Dams, Tunnels and various concrete structures
- Prevention of rust in reinforced concrete
- Prevention of water leakage from concrete

3. Typical properties

Water Cement ratio	60%	70%	80%	Remark
Compressive Strength (N/mm ²)	33.0	29.9	25.7	28 days
Bending Strength (N/mm ²)	4.8	3.5	3.0	
Viscosity (mPas)	30	20	14	B rotational viscometer
Flowability (sec)	10.7	9.8	9.5	P-type funnel

Note : The physical properties are the results of tests conducted in our laboratory and are not guaranteed values in the field.

4. Mix design

	W/C (%)	Water (ℓ)	HS (kg)	Slurry (ℓ)
Crack width less than 0.5mm				
Primary Injection	120	2.4	2	3.1
Secondary Injection	70	1.4	2	2.1
Crack width 0.5mm or more				
Primary Injection	120	2.4	2	3.1
Secondary Injection	60	1.2	2	1.9

5. Packaging

6 bags (2kg) in carton box



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