

Hi-STUFF is a concrete crack repair material with its average particle size of 3 microns. Slurry of Hi-STUFF is able to reach deep inside the cracks, and to integrate with the original concrete during the process of hydration

CHARACTERISTICS

- Particles permeate cracks > 0.05mm
- Hydrophilic property
- Durable and non-toxic cementitious material
- Prevention of ASR (Alkali Silica Reaction)
- VOC (Volatile Organic Compounds) Free

APPLICATIONS

- Repair concrete cracks in tunnels and dams
- Repair concrete cracks in swimming pools
- Prevention of rust of rebar
- Repair / Prevention of water leakage from concrete

PROPERTIES

Physical Properties

Water : HS ratio	0.6 : 1	0.7 : 1	0.8 : 1	Remark
Compressive Strength (N/mm ²)	35.5	31.8	26.7	28 days
Bending Strength (N/mm ²)	6.4	5.4	4.7	
Bonding Strength (N/mm ²)	1.9	1.5	1.4	
Viscosity (mPas)	71	45	35	
Fluidity (sec)	15.0	11.8	11.2	

Mix Design for cracks < 0.5 mm

	Water : HS	Water (L)	HS (kg)	HS-AID (mL)	Slurry Volume (L)
Primary Injection	1.2 : 1.0	2.4	2	40	3.1
Secondary Injection	0.7 : 1.0	1.4	2	40	2.1

Mix Design for cracks > 0.5 mm

	Water : HS	Water (L)	HS (kg)	HS-AID (mL)	Slurry Volume (L)
Primary Injection	1.2 : 1.0	2.4	2	40	3.1
Secondary Injection	0.6 : 1.0	1.2	2	40	2.1

PACKAGE

- 20kgs (44lb) NET carton box
- 40ml Hi-STUFF Aid contained

