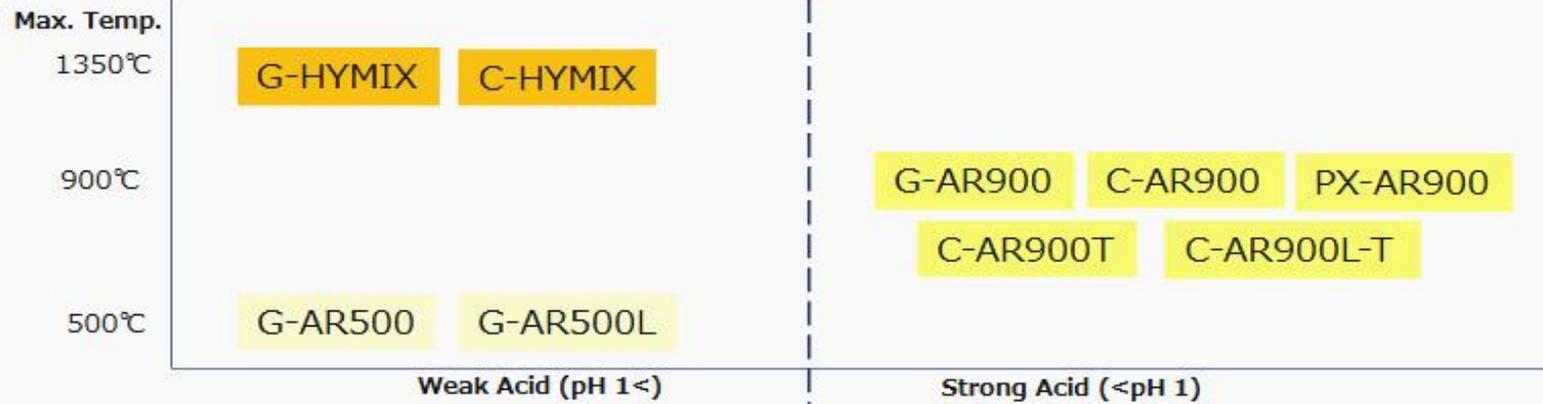


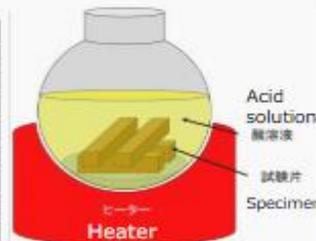
# Acid Resistant Brand Mapping



## Acid resistant test

- Each specimen was immersed in solutions each 20mass % of sulfuric acid, nitric acid, and hydrochloric acid.
  - The solutions were heated to 80 °C and held 72h.
  - After 72h, the samples were removed from the solutions and 110°C × 24h dried.
  - By comparing the appearance of the samples before and after the test, tissue embrittlement by acid was confirmed. pH indicator was applied to the fractured surface of the specimen to confirm the acidic penetration.
- (See Tables on the right for color development by pH indicator).

Indicator Color	
pH 4	Red
pH 5	Orange
pH 6	Yellow
pH 7	Yellowish green
pH 8	Green
pH 9	Greenish blue
pH 10	Bluish violet
pH 11	Reddish violet



## Test result

	G-AR900	C-AR900
Before Test		
After Test		
Cross Section View		

Product name	for Strong Acid				for Weak Acid	
	THERVEK G-AR900	THERVEK C-AR900	THERVEK C-AR900-T	THERVEK PX-AR900	THERVEK G-AR500	THERVEK G-AR500L
Max. service temp.(°C)	900	900	900	900	500	500
Installation	Gunning	Casting	Trowelling	Trowelling	Gunning	Gunning