



# BEIJING MININGSUN IMP AND EXP CO., LTD

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## PRODUCT DATA SHEET

The experimental data is as reference only.

### 1. Activity index experiment:

Raw materia (g)	Undensified Microsilica	Control proportion	Experimental proportion
	525# silica acid cement		540
Crystalline flour		0	55
Standard sand		1350	1350
water		210	214
28 DAY	Break-resistanceintensity (MPa)	10.21	11.49
	Compress-resistance intensity (MPa)	76.1	83.9
Activity index	Break-resistance	112	
	Compress-resistance	113	

### 2. the influence of quantity of Microsilica to mortar intensity:

		1	2	3	4	5
Raw materi al quanti ty (Kg)	cement	540.0	507.6	496.8	486.0	475.2
	Crystalline flour	0	32.4	43.2	54.0	64.8
	Standard flour	1350.0	1350.0	1350.0	1350.0	1350.0
	water	238.0	238.0	238.0	238.0	238.0
	Water reducing agent RC	0	0.54	0.81	1.08	1.35
Quantity of Microsilica 95U		0	6	8	10	12
Degree of fluidity of mortar mm		136	142	142	143	139
7 DAY	Break-resistance intensity (MPa)	7.68	7.61	7.63	7.35	7.22
	Compress-resistanceintensity (MPa)	52.5	50.2	53.7	51.2	49.8
28 DAY	Break-resistance intensit (MPa)	9.45	9.76	9.95	9.91	10.42
	Compress-resistanceintensity (MPa)	66.1	70.0	73.12	78.0	84.6

### 3. concrete intensity experiment

Raw material Quantity		1	2	3
	Cement	488.9	499.8	440.0



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(Kg)	Crystalline flour	0	39.1	48.9
	water	127.00	127.11	127.11
	sand	621.7	621.7	621.7
	rock	1262.3	1262.3	1262.3
The most radium mm		20	20	20
Ratip of water to cement		0.26	0.26	0.26
Quantity of Microsilica 95U		0	8	10
Quantity of water reducing agent 8% RC		1.0	1.0	1.0
Compress-resistance intensity (MPa)	7 DAY	62.4	69.1	69.8
	28 DAY	79.8	91.0	91.9

**Silica Fume used in concrete additive, it can reduce water requirement greatly, it increase intensity and density of concrete, improve products quality and prolong products lifespan, so it is optimal bonding agent.**

**Above test data just for reference,**

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