

KIMA CHEMICAL CO.LTD

Add:Zhangdian,Zibo, Shandong, P.R.China

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www.kimachemical.com

Typical Formula for Construction Chemicals

Cement base plasters

Item	Cement Plaster	Cement-based Light Plaster
Portland Cement	8-12	18-25
Slaked Lime	6-8	0-5
Slaked Lime	80-85	
Lime Sand		60-75
Limestone powder		5-7
Foamed Polystyrene		1-2
Starch Ether		0.01-0.02
Hydrophobic Agent	0.15-0.25	0.1-0.2
Air-entraining Agent	0.015-0.03	0.03-0.05
Redispersible polymer powder	1-6%	1-6%
Cellulose Ether	0.1-0.2	0.1-0.5

Wall Putty powder for exterior

Item	Putty Powder for Exterior Wall
Portland Cement	20-50
Quartz Sand 32.5mesh	20-40
Quartz Sand 32.5mesh	20-50
Starch Ether	0.1-0.5
Montmorillonite	0.1-0.6
Defoaming Agent	0.1-0.3
Additive	0.1-0.8
Redispersible polymer powder	1.0-8.0

Wall Putty Powder for interior

Item	Putty Powder for interior wall
ash-calcium-powder	10-15
Calcium Carbonate 1500-200mesh	80-85
Starch Ether	0.1-0.5
Defoaming Agent	0.1-0.3
Additive	0.1-0.8
Re-dispersible polymer powder	1.0-8.0

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Cement based Adhesives

Item	Standard	Flexible & modified
Portland Cement	45	35
Quartz Sand (0.05-0.5min)	50-53	56-60
Cellulose Ether	0.2-0.6	0.3
Re-dispersible powder polymer	1-5	5-10
Additives	0-5	0-5

Gypsum based adhesive

Item	Gypsum base adhesive
Building Gypsum	40-60
Re-dispersible polymer powder	2-6
White Cement	20-30
Tartaric Acid	0.01-0.03
Cellulose Ethers	0.1-0.3
Starch Ether	0-0.05

Caulking compound

Item	Standard	Flexible & modified
Portland Cement	25-30	20-25
High Alumina Cement	0-10	0-10
Pigment	0-5	
Fillers	55-75	50-80
Cellulose Ether	0-0.1	0-0.1
Re-dispersible polymer powder	1-3	1-5
Additive	0-1	0-3

Thermal Insulation Mortar

Item	Thermal Insulation Mortar
Portland Cement	25-35
Slaked Lime	1-3
Limestone or other Light Fillers(50-100mesh)	40-50
Heavy Calcium Powder	10-15
Foamed PS Granule	3-8
Lignocellulose	0.2-0.5
Redispersible polymer powder	3-5
Cellulose Ether	0.1-0.2

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Masonry mortar

Item	Masonry Mortar	Adhesive for concrete
Portland Cement	12-20	36
Slacked Lime	0-6	4
0-0.1mm Limestone powder	10-20	
0-4mm lime sand	60-80	
0-0.5 mm lime sand		60
Air-entraining Agent	0.01-0.03	
Medium Viscosity Cellulose Ether	0.02-0.04	
Redispersible polymer powder	1-6%	1-6%

Anti-cracking agent

Item	Standard
Portland Cement	45
Sand(0-0.5mm)	50-53
Cellulose Ether (about 6000 mpa.s)	0.4
Redispersible polymer powder	1-5

Self-leveling

Item	Self-leveling
Portland Cement	300
High Alumina Cement	70
Quartz Sand 0.125~0.335mm	379.2
Calcium Carbonate	165
Anhydrite	50
Defoaming Agent	1.5
Water Reducing Agent	6
Redispersible polymer powder	20
Tartaric Acid	1.7
Lithium Carbonate	0.6
HPMC with Low Viscosity 400mpa.s	1
Hexanediol	5

Safety notes:

The above data is in accordance with our cellulose ether knowledge, but don't absolve the clients carefully checking it all immediately on receipt. To avoid the

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different formulation and different raw materials, please do more testing before using it.