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## The Criterion of judgment of Redispersible Latex Powder

### 1. Identify through basic performance:

Basic performance	Range	Excessive implied quality problems
Exterior	White light yellow free flowing powder, shall not contain impurities, no caking, particles evenly	
Bulk density (g / l)	400-800	Bulk density is too low to dust, bulk density may contain too much inorganic
Moisture content (%)	<1.0	Water content may be too high may contain water content, easily lead to agglomeration
Ash (%)	9.0-12.0	Ash is too high and may contain inorganic matter
PH value (10% water emulsion)	4.0-12.0	And the stability of the basic emulsion PH range

### 2. Identified by physical characteristics:

Important physical characteristics	Typical performance	Special performance and its implied quality problems
Glass transition temperature (Tg) Minimum film forming temperature (MFFT)	Characteristic performance, according to the application requirements design, MFFT also affected by the film forming conditions	Does not exist omnipotent products, the building materials, the high Tg is not conducive to low temperature film application
Can be dispersed in the scattered	Can form a stable emulsion, particle size distribution similar to the original emulsion	Redistribution is not good, can not be modified, may contain non-redispersible polymer
Film forming film	Normal temperature film good	Room temperature film is not good, there are polymer or ash convenience quality
Film water resistance	Water resistance meet the requirements of	Water resistance is not good, may contain water-soluble polymer

### 3. Identified by physical characteristics:

Important application performance	Typical performance	Special performance and its implied quality problems
Dry bonding strength and water resistance bonding strength	According to the application of the standard to determine	Bonding is not good, there are polymer or ash convenience quality
Flexibility and impact resistance	According to the application criteria to determine	Flexibility is not good, there are polymer quality problems, flexibility in the use of decline, may be containing plasticizer
Hydrophobic and non-hydrophobic	According to the application criteria to determine	Surface hydrophobicity is very good, can reduce the ease of mortar and bonding before the degree
Flow and rheology	According to the application criteria to determine	Rheology is not good, there are polymer or additives quality problems
Foaming and defoaming	According to the application criteria to determine	Abnormal bubble performance, there are polymer, ash or additives in terms of quality problems

