

WATER BASED PAINT FORMULATIONS E BOOKS



**WATER BASED
PAINTS
FORMULATIONS
E – BOOKS**

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WATER BASED PAINT FORMULATIONS E BOOKS



**WATER BASED
ACRYLIC PIGMENT
WHITE PAINT PASTE
FORMULATIONS
E – BOOKS**

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FORMULATION AND PRODUCTION PROCESS (% 20)**

**WATER BASED AND ACRYLIC
WHITE PIGMENT PAINT PASTE
PRODUCTION PROCESS (% 40)**

NO	INGREDIENTS	W/W
1	STYRENE ACRYLIC BINDER	40
2	WETTING AGENT	13.5
3	ACRYLIC THICKENER	0.050
4	TITANIUM DIOXIDE WHITE PIGMENT	40
5	ANTIFOAM AGENT	0.40
6	PRESERVATIVE AGENT	0.20
7	WATER	5.850
	TOTAL	100 KG

PROCESS: Add water and styrene acrylic binder in the process tank. Start to mix at high speed. Add wetting agent, antifoam agent and preservative agent while mixing same speed. Add acrylic thickener and stirr until thick. Add titanium dioxide during mixing. Continue to mix until homogenous. Then, the mixture is passed through the cylinders to be more homogeneous and process is completed.

NOTE: Amount of ingredients (Materials) used above formulation can be changed depending condition of market.

NOTE: Paint pigment paste can be prepared different concentration.

**WATER BASED AND ACRYLIC
WHITE PIGMENT PAINT PASTE
PRODUCTION PROCESS (% 30)**

NO	INGREDIENTS	W/W
1	STYRENE ACRYLIC BINDER	50
2	WETTING AGENT	12
3	ACRYLIC THICKENER	0.050
4	TITANIUM DIOXIDE WHITE PIGMENT	30
5	ANTIFOAM AGENT	0.40
6	PRESERVATIVE AGENT	0.20
7	WATER	7.350
	TOTAL	100 KG

PROCESS: Add water and styrene acrylic binder in the process tank. Start to mix at high speed. Add wetting agent, antifoam agent and preservative agent while mixing same speed. Add acrylic thickener and stirr until thick. Add titanium dioxide during mixing. Continue to mix until homogenous. Then, the mixture is passed through the cylinders to be more homogeneous and process is completed.

NOTE: Amount of ingredients (Materials) used above formulation can be changed depending condition of market.

NOTE: Paint pigment paste can be prepared different concentration.

**WATER BASED AND ACRYLIC
WHITE PIGMENT PAINT PASTE
PRODUCTION PROCESS (% 20)**

NO	INGREDIENTS	W/W
1	STYRENE ACRYLIC BINDER	64
2	WETTING AGENT	10
3	ACRYLIC THICKENER	0.050
4	TITANIUM DIOXIDE	20
5	ANTIFOAM AGENT	0.40
6	PRESERVATIVE AGENT	0.20
7	WATER	5.350
	TOTAL	100 KG

PROCESS: Add water and styrene acrylic binder in the process tank. Start to mix at high speed. Add wetting agent, antifoam agent and preservative agent while mixing same speed. Add acrylic thickener and stir until thick. Add titanium dioxide during mixing. Continue to mix until homogenous. Then, the mixture is passed through the cylinders to be more homogeneous and process is completed.

NOTE: Amount of ingredients (Materials) used above formulation can be changed depending condition of market.

NOTE: Paint pigment paste can be prepared different concentration.