



BCC PRODUCTS, INC.

BLEHM PLASTICS

FAST CAST – EPOXIES – URETHANES – POLYESTER PASTES – TOOLING BOARDS – RELEASE AGENTS – SILICONES

BP 9024 PLASTER SEALER

DESCRIPTION:

BP 9024 adhesive can also be used to seal wet or dry plaster models against moisture-vapor transmission. BP 9024 resin and hardener, when mixed, will gel in approximately five minutes but when a solvent is added to both the resin and hardener before mixing, the gel-time may be extended to about one hour. The solvent facilitates good penetration of the plaster as well as giving the mixture adequate pot life for use.

USE PROCEDURE:

Use equal parts by weight or volume of resin and hardener and add an equal volume of solvent, which should be split, half being added to the resin and half to the hardener.

For example:	100 grams resin	100 grams hardener
	50 grams solvent	50 grams solvent

The solvents that can be used are listed together with their relative evaporation rates. The relative evaporation rate of a solvent is the rate of evaporation as compared to the evaporation of butyl acetate. The rate for acetone shown means that acetone will evaporate 7.7 times faster than butyl acetate and 3 times faster than lacquer thinner.

<u>Solvent</u>	<u>Relative Evaporation Rate</u>
Acetone	7.7
Methyl Ethyl Ketone	4.6
Lacquer Thinner	2.5
Toluene	2.1

Shellac thinner or other alcohols are not effective for this plaster sealer application because they do not extend the gel time of the resin and hardener beyond their usual gel time. The higher the evaporation rate of a solvent, the greater the flash point hazard; so the lowest evaporation rate that can be tolerated is the safest solvent to use.

After the plaster surface has been coated with resin-hardener-solvent mixture, the soonest that it can be used for subsequent lay-up is one to three hours. If there will be no heat build-up in the subsequent lay-up, it possibly could be used as soon as it is dry to the touch.

PRECAUTIONS:

Use adequate ventilation and fire precautions to protect against breathing fumes and possible fire or explosion from the solvents added to this resin and hardener. For further information on safety, please see the MSDS

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