



# MAS EPO-PUTTY (LIGHT)

## General Description:

MAS EPO-PUTTY (LIGHT) is a 100% solids, two component epoxy filler based on epoxy resins, polyamide hardener and special fillers.

## Major Uses:

- To provide highly chemical and abrasion resistant adhesive.
- For extremely strong repair works on steel and concrete structures such as bridges, tunnels, tank, parkings, etc.
- For patching – up holes and surface irregularities.

## Advantages:

- Solvent – free, low odor.
- Lightweight.
- Chemical resistant
- Abrasive resistant
- Hygienic.
- Good Adhesion.

## Characteristics and Physical Properties:

Colour	White, black, grey, tile red, pale green.
Component	Two (2)
Mixing Ratio	1 : 1 By volume
Pot Life	2 – 3 Hrs. after mixing
Shelf Life	One(1) year in a closed container.
Drying Time	4 hrs. after application
Curing time	7 Days.

## Chemical Resistance:

Water, de – ionized	- Very Good.
Sulphuric Acid, 14%	-Good.
Nitric Acid, 30%	- Good.
Acetic Acid, 10%	- Good.
Caustic Soda, 20%	- Good.
Petrol	- Very Good.
Toluene	- Very Good.
Styrene	- Very Good.
Skydrol (Hydraulic Fluid)	- Good.

## Surface Preparation:

- New concrete or cementations substrates should be at least 28 days old and the moisture content of the substrates should be less than 5%.
- All laitance and loose materials must be removed from the concrete surface. If the concrete is strong and sound, this may be achieved by acid etching followed by thorough washing with water, the floor must be left to dry.
- Cracked and damaged concrete or heavy laitance should be prepared by grit blasting and scabbling until a solid surface is reached showing exposed aggregate.
- All dust and debris should then be removed. Surfaces contaminated with oil or grease should be flamed cleaned and thoroughly wash with a good detergent.

## Physiological Hazards:

MAS EPO-PUTTY (LIGHT) does not contain solvents, nevertheless, good ventilation in working rooms is recommended as well as the use of safety tools and equipment. The mixture, in its liquid state is non – flammable but harmful if swallowed. If contact with eyes occurs, cleanse with fresh water and seek immediate medical advice.

## Mixing and Application:

Mix thoroughly resins part and hardener as per specified mixing ratio by using trowel, putty knife or squeezer can be utilized. NAS EPO-PUTTY (LIGHT) can be over coated with Floortopping # 900 self – levelling and Floortopping # 700 and all Epoxy Floorcoatings after 24 hrs, drying time to all traffic deck systems. It is essential to slightly abrade the putty for an excellent adhesion of topcoats.

## Storage:

Store in cool areas below 25<sup>0</sup>C. Keep container tightly close.

## Cleaning of Tools:

All tools should be cleaned with Wash Thinner or Epoxy Thinner # 135 as soon as possible.

## Coverage:

As a guideline, the theoretical spreading rate at 200 microns is about 3m<sup>2</sup> / kg. (5. 1 m<sup>2</sup> / lit.)

*The above information is given to the best of our knowledge based on laboratory test and practical experience. However, as the paint is often used under condition beyond our control, we cannot guarantee anything but the quality of the paint itself. We reserve the right to change the given data without prior notice.*

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