



Matting Hardener newadd-02051

newadd[®], is a very well-known Additive brand series for powder coating.

Chemical Name:

Pyromellitic acid 2-phenyl-2-imidazoline salt (1:1), CAS No. 54553-90-1, Percent ≥ 99%

Application:

newadd-02051 is a salt of polycarboxylic acid with cyclic amidine. This hardener in a suitable formulation can produce the very good flow and properties matt or semi-matt finish in epoxy or Hybrid coatings. Different gloss can be obtained by suitable adjusting of the formulation.

The hardener can be used both in pure epoxy and hybrid (epoxy-polyester) system. In the Epoxy system, the gloss can be achieved from 5% - 10% and hybrid system, from 10% - 70% (or higher) by using **newadd-02051**.

Hybrid coating with matt or semi-matt gloss may be achieved by replacing polyester in the formulation with the same quantity of **newadd-02051**.

Specification:

Appearance	white powder
Melting range	222~227
Non-volatile	98.5%min

Recommend Formulation:

	(Kg)	(Kg)
	20-25 (gloss)	5-10 (gloss)
newpox-01120 (Epoxy Resin - EEW 715-870)	0.560	0.404
newadd-02051 (Matting Agent)	--	0.156
newadd-02023 (Flow agent)	0.01	0.01
newadd-02040 (Leveling Supplement)	0.008	0.008
newadd-02032 (Benzoin)	0.004	0.004
newfill-02010 (BaSO4)	0.354	0.380
Carbon Black	0.008	0.008

Note: The product should be cured properly to get the perfect result.

Object temp (°C)	Time (Min)
180	20 - 25
190	12 - 15
200	10 - 12

Package and shelf life:

20 Kg net in paper bag with Polyethylene-lined.

One year in dry and well-ventilated condition bellow 30 °C. After one year, Lab test recommended.

This material can be stored for very long period in closed containers.

Avoid contact with skin and eyes and wear dust mask while in operation.