

## DASYNEP FC-20 TERTIARY AMINE BASED ACCELERATOR

DASYNEP FC-20 is an aromatic tertiary amine based compound designed to be used in accelerating various curing epoxy and polyurethane systems such as Adhesives, Coatings, etc. The functionality of chemical system designed in DASYNEP FC-20 makes it as an effective accelerator for acid anhydride, polyamine, polyamide and polyamidoamine curing systems.

### FIELD OF APPLICATION

- Epoxy and polyurethane systems

### ADVANTAGES

- Fast cure polymerization catalyst in Polyamine/ Polyamide Curing Systems
- Catalyst for polyurethane coatings
- Effective accelerator for low temperature curing
- Appropriate for the systems when need to an Unchangeable Glass Transition values and mechanical performance through

### PHYSICAL AND CHEMICAL PROPERTIES

Appearance		Brown
Amine value (mg KOH /g)	ASTM D2074	~300-360
Viscosity (@25°C , mP.s)	ISO 3219	18000-22000
Density (@25°C , g/cm <sup>3</sup> )		~1.18
Non- volatile		100%
Recommended mixing ratio, phr		8~15

### STARTING FORMULATION FOR PERFORMANCE COMPARISON

	Formulation Without DASYNEP FC-20	Formulation with DASYNEP FC-20
EPON Resin 828	100	100
EPIKURE Curing Agent F205	60	60
DASYNEP FC-20	-	10
Gel time @ 25°C	45min	15min



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مرکز ملی تایید صلاحیت ایران  
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**STORAGE**

The shelf life is 12 months if unopened, stored free from frost, moisture and direct sunlight. DASYNEP FC-20 is available in 200 kg drums.

**HEALTH & SAFETY**

This product is Flammable. Keep away from heat and open flame. Keep container closed. Use with adequate ventilation. Avoid prolonged and repeated contact with skin. If used in confined areas, observe the following precautions to prevent hazards of fire or explosion or damage to the health:

- 1-Circulate adequate fresh air continuously during application and drying.
- 2-Use fresh air masks and explosion proof equipment.
- 3- Prohibit all flames, sparks, welding and smoking.

MSDS is available at ABADGARAN website.

**TECHNICAL SERVICE**

The ABADGARAN INTERNATIONAL GROUP Technical Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.



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