

dynoadd®
by dynea



INDUSTRIAL COATINGS ADDITIVES

Product selector 2024

DYNOADD PRODUCT SELECTOR – BY APPLICATION

APPLICATION	FORMULATION	PRODUCT	FEATURES
Automotive coatings	OEM Primer	F-1	Wetting, levelling and anti-crater.
		F-800	Promotes intercoat adhesion
	OEM Clear coat	F-1	Levelling and anti-crater additive
		F-100	Wetting, levelling and anti-crater additive
		F-101	Wetting, levelling and anti-crater additive, increased polarity
		F-106	For polar systems, anti-crater
		F-404	Slip and mar resistance, Flow and levelling
	Refinish primers	F-100	Wetting, levelling and anti-crater additive
		F-101	Substrate wetting, anti-crater
		F-800	Promotes Intercoat adhesion
	Refinish clear coats	F-1	Levelling, anti-crater
		F-100	Substrate wetting, anti-crater, silicone free
		F-404	Slip and mar resistance, Flow and levelling
		F-414	Slip and mar resistance companion for F-100
		F-461	Wetting, levelling, slip additive – low foam
		F-711	Anti-popping, good compatibility, low haze
	Refinish solid colour	F-1	Anti-Crater, Flow and levelling
		F-100	More compatible Flow and levelling
		F-201ND	Flow and levelling, anti-popping
		F-404	Slip and mar resistance
		F-414	Slip and mar resistance, companion for F-100
	Water-borne basecoats / refinish solid colour	F-711	Foam control, anti-popping
		D-960	Wetting and dispersing agent for carbon black
D-962		Wetting and dispersing agent for organic pigments	
D-963		Wetting and dispersing agent for inorganic pigments and fillers	
F-461		Wetting, levelling, slip additive – low foam	
	F-462	Substrate wetting, levelling	

DYNOADD PRODUCT SELECTOR - BY APPLICATION

APPLICATION	FORMULATION	PRODUCT	FEATURES
Industrial coatings	Primers	F-1	All-round balanced performance,
		F-100	More compatible Flow and levelling additive
		F-800	Promotes intercoat adhesion
		F-802	Fast adhesion of PU topcoats to primer surface
	Topcoats	F-100	Levelling and anti-crater additive
		F-201ND	Flow and levelling anti-popping
		F-404	Slip and mar resistance, Flow and levelling
		F-414	Slip and mar resistance, companion for F-100
		F-416	Slip and mar resistance, Flow and levelling
		F-461	Wetting, levelling, slip additive - low foam
		F-707	Anti-popping, good compatibility, low haze
		F-708	Foam control, good compatibility
	Water-borne top-coats	F-461	Wetting, levelling, slip additive - low foam
		F-462	Substrate wetting, levelling,
		F-601	Levelling, anti-pinholes WB formulations
		F-603	Low foam, wetting, levelling for WB formulations
		F-606	Substrate and pigment wetting additive
		F-608	Wetting and levelling, good compatibility, post-addition
		F-760	Foam control
		F-761	Foam control
		F-762	Foam control
		D-960	Wetting and dispersing agent for carbon black
		D-962	Wetting and dispersing agent for organic pigments
	D-963	Wetting and dispersing agent for inorganic pigments and fillers	
	Wood coatings	F-1	Anti-crater, flow and levelling
		F-201ND	All-round flow and levelling additive
		F-404	Flow and levelling, surface slip
		F-416	Slip and mar resistance, Flow and levelling
		F-461	Wetting, levelling, slip additive - low foam
		F-462	Substrate wetting, levelling, for aqueous systems
		F-608	Flow and levelling for water-borne formulations
		F-760	Foam control for water-borne coatings formulations
		F-761	Foam control for water-borne coatings formulations
		F-762	Foam control for water-borne coatings formulations
		D-960	Wetting and dispersing agent for carbon black
		D-962	Wetting and dispersing agent for organic pigments
		D-963	Wetting and dispersing agent for inorganic pigments and fillers

DYNOADD PRODUCT SELECTOR – BY APPLICATION

APPLICATION	FORMULATION	PRODUCT	FEATURES
Coil coating	Primers, topcoats backing coats	F-1	All-round balanced performance
		F-100	More compatible Flow and levelling additive
		F-101	Low molecular weight, increased polarity
		F-102	Optimsed flow and foam control properties
		F-113	Reduces dirt retention, improves blocking
		F-200	Basic acrylic flow additive
		F-201ND	Enhanced de-foaming properties
		F-701B	More compatible foam control additive
		F-701C	Ideal foam control companion for Dynoadd F-1
		F-707	Anti-foam, anti-popping
		F-708	Foam control for PVdF formulations
		F-711	Anti-popping additive, improved compatibility
		F-800	Flow, intercoat adhesion, PUR Foam adhesion
		F-802	Fast adhesion of PU/PIR foam to coating surface
		F-810	Flow aid to improve adhesion of UV inks and topcoats
Printing inks (solvent borne and UV curing)	Flexographic Inks	F-3B	Substrate wetting, pigment wetting, levelling
	Screen inks	F-1	Substrate wetting, Flow and levelling
		F-706	Foam control, de-aeration for UV curing
Packaging coatings	Interior and exterior coatings FDA§175.300 compliant	F-707	Foam control, de-aeration
		F-3B	Anti-crater, Flow and levelling
		F-300	Substrate wetting, anti-crater, levelling additive. FDA §175.300 compliant
		F-705	Foam control, up to 0.1% addition for direct food applications
Pigment pastes	Water-borne pigment pastes	F-715	Foam control, up to 0.1% addition for direct food applications
		D-960	Wetting and dispersing agent for carbon black
		D-962	Wetting and dispersing agent for organic pigments
		D-963	Wetting and dispersing agent for inorganic pigments and fillers

DYNOADD PRODUCT SELECTOR – BY FORMULATION RESIN TYPE

FORMULATION RESIN FAMILY	FUNCTION	RECOMMENDATION
Alkyd / polyester / acrylic – melamine	Flow and levelling	F-1 F-100 F-101 F-102 F-200 F-201ND
	Anti-crater	F-1 F-100 F-101
	Foam control	F-701B F-701C F-707 F-711
	Dirt retention, anti-blocking	F-113
	Intercoat adhesion	F-800. F-802 F-810
	Slip and mar	F-404 F-409 F-414 F-416 F-461
Acrylic / polyester – isocyanate	Flow and levelling	F-1 F-100 F-106 F-404 F-201ND
	Anti-crater	F-1 F-100 F-101
	Intercoat adhesion	F-800 F-802 F-810
	Foam control	F-701B F-701C F-707 F-708 F-711
	Anti-popping	F-711 F-201ND
	Slip and mar	F-404 F-414 F-416 F-461
UV/EB Curing	Flow and levelling	F-101 F-409
	Foam control	F-705 F-706 F-711
	Slip and mar	F-409 F-461
PVdF / PVC Plastics	Flow and levelling	F-1 F-100
	Anti-popping	F-701B F-707 F-708
Epoxy – amine / PU Thick films / Flooring	Flow and levelling	F-100 F-101
	Foam control	F-705 F-713 F-715 F-470
Acrylic dispersions / PUD's	Flow and levelling	F-461 F-462 F-603 F-608
	Substrate wetting	F-461 F-462 F-603 F-606
	Anti-pinhole	F-601 F-603 F-608 F-760
	Pigment dispersion	D-960 D-962 D-963
	Foam control	F-760 F-761 F-762
Water reducible polyester / acrylic	Flow and levelling	F-461 F-462 F-601 F-603 F-608
	Substrate wetting	F-461 F-462 F-603 F-606
	Pigment dispersion	D-960 D-962 D-963
	Foam control	F-760 F-761 F-762

DYNOADD FLOW AND LEVELLING ADDITIVES

DYNOADD	
F-1	General purpose flow, levelling, and anti-crater additive.
F-100	Flow and levelling additive with high compatibility.
F-101	Levelling additive, suitable for more polar systems including UV coatings.
F-102	Flow and levelling additive with enhanced anti-foam properties.
F-106	Polar Flow and levelling additive with enhanced compatibility for clear coats.
F-200	Basic acrylic Flow and levelling additive for cost sensitive formulations.
F-201ND	Acrylic Flow and levelling additive with balanced anti-foam properties.
F-404	Siloxane modified Flow and levelling additive.
F-409	VOC free, siloxane modified levelling and slip additive for UV curing coating.
F-414	Siloxane modified wetting additive. The ideal companion for Dynoadd F-100.
F-416	Siloxane modified Flow and levelling additive.
F-461	Polyether polysiloxane wetting and levelling additive (low foam formation in waterborne formulations).
F-462	Polyether polysiloxane surfactant for substrate wetting and levelling.
F-601	Substrate wetting and levelling additive for water-borne formulations. Silicone free.
F-603	Low-foaming, anti-crater additive for water-borne applications. Silicone free.
F-606	Substrate and pigment wetting additive for water-borne formulations.
F-608	Water soluble wetting and levelling additive for water-borne formulations.

PIGMENT DISPERSING AGENTS

DYNOADD	
D-960	Wetting and dispersing agent for carbon black. Low viscosity pigment pastes with excellent stability and colour strength. For water-borne formulations.
D-962	Wetting and dispersing agent for organic pigments. Low viscosity pigment pastes with excellent stability and colour strength. For water-borne formulations.
D-963	All-round wetting and dispersing agent for inorganic pigments and fillers. Low viscosity pigment pastes with excellent stability and colour strength. For water-borne formulations.

ADDITIVES FOR DIRECT FOOD CONTACT APPLICATIONS

DYNOADD	
F-3B	Food contact compliant Flow and levelling additive. FDA §175.300 compliant.
F-300	More compatible alternative to Dynoadd® F-3B. FDA §175.300 compliant.
F-705	Anti-foam concentrate, for solvent borne and rad-cure formulations. Food contact compliant up to 0.1% w/w on total formulation.
F-715	Foam control additive for solvent borne and rad-cure formulations. Food contact compliant up to 0.1% w/w on total formulation.

FOAM CONTROL ADDITIVES

DYNOADD	
F-701B	Anti-foam, de-aerator with enhanced flow properties.
F-701C	Anti-foam, de-aerator an ideal companion for Dynoadd F-1.
F-705	Anti-foam concentrate, for solvent borne and rad-cure formulations.
F-706	Foam control and air release additive for rad-cure applications.
F-707	Anti-foam additive for solvent borne formulations.
F-708	VOC-free alternative where Dynoadd F-705 has compatibility limitations.
F-711	Anti-foam and de-foamer with good compatibility.
F-713	Anti-foam, de-aerator. anti-pinhole additive for thick film epoxy and PU systems.
F-715	Anti-foam concentrate, for solvent borne and rad-cure formulations.
F-760	Foam control additive for water-borne formulations.
F-761	Foam control additive for water-borne formulations.
F-762	Foam control additive for water-borne formulations.
F-470	Highly effective haze free, de-aerator in epoxy and PU thick films & castings.

MULTIFUNCTIONAL FLOW AND LEVELLING ADDITIVES

DYNOADD	
F-113	Reduces dirt retention and improves blocking of coil coating topcoats.
F-800	Adhesion promoting flow aid. Significantly improves adhesion of PU topcoats, adhesives and foams to coating surface.
F-802	Adhesion promoting flow aid. Provides a more reactive surface for faster adhesion of PU topcoats, adhesives, and foams to coating surface.
F-810	Adhesion promoting flow aid for adhesion of UV inks and topcoats to basecoats.

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