

conversion coating chemicals

Granodine 16

Lower temperature (115°-135°F) spray zinc phosphate for steel and galvanized surfaces. Light flocculent sludge and a minimal tendency for in-stage blushing. Ideally suited for conventional spray and dip paint systems as well as anodic prime systems. Used in multistage washers for automotive and appliance and other fabricated metal parts.

Granodine 38

Spray zinc phosphate for volume production of steel, zinc, and aluminum surfaces, prior to conventional or anodic prime systems. This three metal capability permits interchangeable or simultaneous processing. Provides excellent corrosion resistance and paint adhesion. Processing temperatures between 125°-135°F.

Granodine 952/958 Series

Specially formulated zinc phosphates which develop phosphophyllite coatings on steel and modified phosphophyllite coatings on zinc surfaces. Specifically designed for excellent corrosion resistance and adhesion under cathodic prime systems, with or without chrome rinsing. Granodine 952 operates between 120°-130°F and Granodine 958 between 110°-120°F.

Granodine 1106

Liquid chemical which produces a corrosion resistant, paint bonding iron phosphate coating on steel. Used in spray washers of 5 or more stages. Can operate at lower temperatures 90°-120°F.

Granodine 108

Granodine 108 is a liquid chemical for both spray and immersion coil coating application operating at 70°-100°F. It is used to produce a corrosion resisting chromate coating on hot dipped galvanized or electro-galvanized steel coil, ranging in color from almost colorless to a light olive-gray color.

Granodine 18

Similar to Granodine 16 but performs better on very difficult to treat steel and galvanized surfaces. Contains fluoride and operates between 135°-140°F.

Granodine 142

Immersion or spray applied zinc phosphate for steel and galvanized surfaces, prior to conventional or anodic prime systems. Primarily recommended for immersion systems with emphasis on galvanized substrates. Operates between 135°-145°F.

Granodine 982/988 Series

Low temperature zinc phosphates for steel and galvanized surfaces. Both operate between 90°-105°F and provide outstanding corrosion resistance and bonding properties, under conventional, anodic or cathodic paint systems.

Granodine 46S/W

Liquid product for spray application—operates at 130°F for zinc and 150°F for steel. This "single chemical" process has the unique advantage of producing a fine-grained zinc phosphate coating on both steel and galvanized without affecting quality or economy of process. Primarily used in coil coating operations, with titanated cleaner and chrome final rinse.

Granodine 770

Liquid chemical for coil coating spray application operating at 130°F. This complex oxide coating is used to produce a protective coating on zinc surfaces which ranges in color from tan to black. The coating produced provides an excellent base for subsequent paint adhesion and underpaint corrosion resistance. Operating pH is approximately 4.0. Generally followed by Deoxylite 41.

Granodine 20

Micro-Crystalline, calcium-zinc phosphate for immersion application. Provides outstanding paint adhesion and underpaint corrosion resistance on steel. Operates between 160°-200°F and performs well under all paint systems.

Granodine 355

Spray applied zinc phosphate for steel and galvanized surfaces where the emphasis is on galvanized substrates prior to conventional or anodic prime systems. Operates between 135°-145°F.

Granodine 1105

Spray, liquid iron phosphate for high quality steel applications prior to conventional spray or immersion painting systems. Used in 5 or more stage washers, develops high coating weights, and operates between 155°-165°F.

Granodine 99

Liquid chemical for spray or immersion applications, operates at 75-100°F. This is a chromate product used to produce a visible coating and provide a corrosion resistant coating on freshly galvanized steel in coil coating operations.

Granodine 1102C

Liquid chemical used to produce an iron phosphate coating on steel coil stock. Operates at 150°-170°F. Provides excellent corrosion resistance and paint flexibility. Should be followed by Deoxylite 41 final rinse for maximum performance.

alkaline metal cleaners for steel

Ridoline 27

Powdered, non-silicated, strongly alkaline immersion cleaner for steel, titanium, and aluminum. Excellent for very tough cleaning requirements. Operates between 150°-200°F.

Ridoline 1007

Powdered, titanated, silicated, alkaline cleaner used in spray or dip applications for the cleaning of steel, galvanized, and aluminum surfaces prior to zinc phosphating. Operates between 140°-180°F.

Ridoline 1007K

Same as Ridoline 1007 but is used for spray only and operates between 100°-120°F.

Ridoline 1035

Powdered, titanated, non-silicated, mildly alkaline cleaner used in spray or dip applications for steel and galvanized surfaces prior to zinc phosphating. Operates between 140°-160°F.

Ridoline 1060

Powdered, silicated, moderately alkaline cleaner for use in spray operations on steel, galvanized, and aluminum surfaces prior to phosphating. Does not contain titanium so a separate grain refining stage is required for zinc phosphating. Operates between 130°-160°F.

Ridoline 1089

Ridoline 1089 is a strong alkaline powdered cleaner for spray application operating at as low as 110°F. It can be used on all metals and can withstand heavy oil loads without affecting cleaner efficiency. Primarily used in coil applications. Does not contain titanium, so a separate grain refining rinse is required prior to zinc phosphating.

Ridoline 1500

Powdered, silicated, strongly alkaline cleaner for use in spray or immersion operations prior to phosphating of steel, galvanized, and aluminum surfaces. Does not contain titanium so a separate grain refining stage is required for zinc phosphating. This is a true low temperature product operating between 100°-110°F.

FIXODINE®

metal conditioners

Fixodine 15

Powdered, water soluble chemical used in spray or immersion applications as a surface conditioning agent for ferrous metals when dense, uniform, finely crystalline zinc phosphate coatings are required. Optimum operating conditions are 8.5-9.5 pH and 65°-90°F.

Fixodine 18

Similar to Fixodine 15 but formulated to maintain pH between 8.5-9.5 without the use of additional pH adjusters.