

DOLPHIN 5000 SERIES

**COLOR COORDINATED FloorSeals™
FOR RUBBER FLOORING**

DESCRIPTION: The **DOLPHIN 5000 Series** of thermoplastic rubber adhesive/sealants were designed to seal the seams on the floors of transit busses, inter-city coaches and passenger rail cars. These sealants are used in rubber seams, between the rubber flooring and chair rails, to seal the edges of steps, and along the flooring at the interior bus wall. These sealants are formulated to coordinate with the flooring color; the last three digits of the **DOLPHIN** product code correspond with The RCA Rubber Company **TRANSIT-FLOR** color number.

The **DOLPHIN 5000 Series** of **FloorSeals** bonds to stainless steel, aluminum, fiberglass, and plywood as well as to the rubber flooring. Once dried, these materials provide a tough waterproof seal that will withstand water, salt and cleaning chemicals and protect the floorboards for years of service.

APPLICATION: These adhesive/sealants are normally supplied in caulking cartridges for use in hand or air powered guns; they also may be ordered in ones, fives, or drums. These sealants skin over after application but will not cure in the cartridge between jobs. Clean up tools with toluene or xylene.

PROPERTIES:

Specific Gravity:	1.11 – 1.18
Color:	To coordinate with flooring.
Solids by weight:	69 - 73%
Flash Point, Seta Flash CC: ASTM D 3278	40° - 50°F.
Sag Resistance:	No sag with .625" bead
Dry Time @ 68° F; 50% RH ASTM D 1640; .125" thick	45 minutes set to touch 48 hours through dry

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**THE FOLLOWING TESTS WERE PERFORMED
AFTER DRYING 21 DAYS @ 68 F; 50% RH**

Hardness, Shore A durometer ASTM D 2240; 5 seconds	70 - 80
Adhesion, Sheer: ASTM D 1002	450 psi
Tensile Strength: ASTM D 412; Die C	1400 psi
Elongation: ASTM D 412; Die C	1000%
Low Temperature Flexibility: ASTM C 711; 2.5" mandrel @ -20° F	No cracking No loss of adhesion
Effects of Heat Aging: ASTM C 792; 168 hours @ 158° F	No discoloration No loss of adhesion
Humidity Resistance: ASTM D 2247; 250 hours @ 100 F; 100% RH	No corrosion under sealant No loss of adhesion
Salt Spray Resistance: ASTM B 117; 500 hours	No corrosion under sealant No loss of adhesion
Flammability: MVSS 302	Pass Burn rate less than 1"/min.

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