

## BOND- X GREEN HIGH PERFORMANCE COLD MIX

**Seaboard BOND-X GREEN High Performance Cold Patch** is a high quality, pre-mixed, all weather, permanent asphalt “cold patch” compound. Combining a carefully selected aggregate with a special bitumen formula using a biodegradable, renewable, organic solution to replace petroleum derivatives normally found in conventional cold mix asphalt. **Seaboard BOND-X GREEN High Performance Cold Patch** is the right choice for all types of pavement repair jobs. **Seaboard BOND-X High Performance Cold Patch** repairs dangerous potholes, wide cracks, ruts, etc.; within minutes, regardless of the weather outside. Suitable for use on both concrete and asphalt pavements. **Seaboard BOND-X GREEN High Performance Cold Patch** is highly recommended for spot repairs to driveways and dry pavement with no loss of bonding ability. The most important benefit to remember is the fact the **Seaboard BOND-X GREEN High Performance Cold Patch** is the “Permanent Patch” and should remain in the repaired area indefinitely. Money will be saved in labor cost because workers will not be constantly repairing an area where a other types of “cold patch” asphalt mix was used. **Seaboard BOND-X GREEN High Performance Cold Patch** is easy to apply with most repairs taking only a few minutes to complete. As an added feature, **Seaboard BOND-X GREEN High Performance Cold Patch** can be open to traffic immediately after it has been used.

**PREPARATION:** Simply sweep out the area to be repaired with a bristled brush or broom. It is a good idea to remove any loose debris, dirt, ice, or standing water from the area to be repaired. This action will promote good adhesion and bonding.

**APPLICATION:** No heating or mixing is required. Simply shovel into the pothole, crack, or rut, straight from the container. If the fault is especially deep, i.e. over six inches, apply in two inch layers, compacting each layer in succession. Shovel enough material into the fault to slightly crown the “patch”. When completed compress the “patch” with the pneumatic tamper. Area can be opened to traffic immediately.



**COVERAGE:** Depth and width of pothole, crack, utility cut etc. will greatly influence the coverage rate achieved. As a rule however, forty pounds of Seaboard BOND-X GREEN High Performance Cold Patch will fill a two inch deep hole, four square feet in size.

**COLOR:** Black

**DRYING TIME:** Immediate, following compacting of material.

**CLEAN UP:** All tools should be cleaned immediately after use with a solvent base cleaner such as varsol, paint thinner or mineral spirits.

**STORAGE:** Always keep container tightly closed when not in use to prevent “hardening” over long periods of storage.

**PACKAGING:** Seaboard BOND-X GREEN High Performance Cold Patch is available in five gallon pails and 60# plastic bags.

**DESCRIPTION:** Seaboard Bond-X Green High Performance Cold Mix is a permanent patch used to fill potholes or construction openings in bituminous surfaces. This material is capable of being applied in wet conditions where the temperature ranges from 15<sup>0</sup>F to 100<sup>0</sup>F. This material is stockpiled for over one year when the asphalt and aggregate are manufactured by the prescribed method. Bond-X Green contains less than 0.1% VOC by weight.

**LIQUID ASPHALT:** Seaboard Bond-X Green High Performance Cold Mix liquid asphalt with chemical anti-stripping additives conforming to requirements of ASTM-D-1664 and ASTM-D-2027 modified as follows:

Flash Point: ..... >400<sup>0</sup>F Minimum  
 Sybolt Furol Viscosity at 140<sup>0</sup>F:..... 200-500 SEC  
 Water: ..... 0.2% Maximum  
 Distillate Test:  
     To 437<sup>0</sup>F:..... None  
     To 500<sup>0</sup>F:..... None  
     To 600<sup>0</sup>F:..... None  
 Residue at 680<sup>0</sup>F: ..... 97%  
 Residue Tests:  
     Penetration at 77<sup>0</sup>F: ..... 150-300  
     Ductility at 77<sup>0</sup>F: ..... 100 cm Minimum  
     Solubility in trichloroethylene: ..... 99% Minimum

**AGGREGATE:** Seaboard Bond-X Green High Performance Cold Mix shall consist of crushed limestone or a submitted and approved by Seaboard equivalent following under ASTM-C-136.

<u>GRADATION ANALYSIS</u>	<u>CUMULATIVE PASSING</u>
3/8"	90-100%
#4	70-71%
#8	37-38%
#16	24-25%
#30	15-16%
#50	7-8%
#100	4-5%
#200	2-3%

ASTM-C-88	Soundness Loss	12% Maximum
ASTM-C-131	Los Angeles Abrasion Loss	45% Maximum
ASTM-C-117	-200 Sieve Wash Loss	2.5% Maximum
ASTM-C-127,128	Absorption	1-3% Maximum
ASTM-C-127,128	Specific Gravity	2.45-2.75% Max
ASTM-C-123	Soft Aggregates	3% Maximum

**PLANT PREPARATION:** Seaboard Bond-X Green High Performance Cold Mix shall be applied to aggregate that is dry and free of all foreign matter. The aggregate shall not exceed a temperature of 170<sup>0</sup>F. The liquid asphalt temperature shall range from 165<sup>0</sup>-235<sup>0</sup>F for production.

**MIXTURE:** Seaboard Bond-X Green High Performance Cold Mix shall consist of an aggregate and asphalt combined in a pug mill in the following proportions and meeting these minimum test requirements:

ASPHALT	4.5-6%
AGGREGATE	95-94.5%
COATING AND STRIPPING	ABOVE 95%
EXTRACTION OF ASPHALT ASTM-D-2171	3-9% Max
STOCKPILABILITY	ONE YEAR MINIMUM