



FINISHING

BAYGARD[®] FBI

Booster to enhance performance
of your fluorocarbon finish

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Booster? And not an extender?

What is an extender?

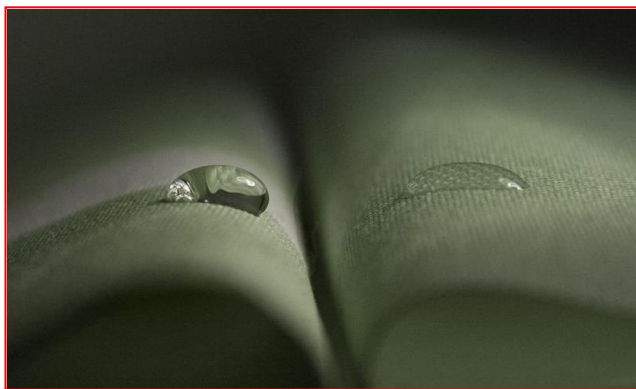
In the early days of fluorocarbon finishes, these products were extremely expensive. There was a need to "dilute" the products to lower the price, without affecting the performance too much. In fact they are cheap fillers. This was the birth of the extenders.

Extenders were products based on (paraffin) waxes, sometimes including melamine, acrylic emulsions etc. etc. Extenders are sometimes the same products which are separately offered as water-repellents. Disadvantage is that oil- and soil-repellent properties will be reduced.

What is a booster?

Boosters are effect improvers, they enhance the original properties of the fluorocarbon, e.g. by increasing their wash-durability, initial performance and sometimes higher waterhead. Boosters are highly complex products. The most used class are the blocked isocyanates. These products chemically link the repellent to the substrate. De-blocking needs a certain temperature.

Picture: Oil repellency after 10x household wash.
BAYGARD® FBI + FC left. Not-boosted FC right.



BAYGARD® FBI: a state-of-the-art, aliphatic, DMP blocked isocyanate to improve the properties and permanency of fluorocarbon finishes on all types of substrates. It additionally improves the film forming properties of the fluorocarbon.

USP's

- * Fully co-solvent free, formaldehyde free and oxime free. Reduced VOC emissions.
» *Most other products contain either co-solvents and/or are oxime-blocked.*
- * Lower curing temperature.
» *Target 140°C, which is 10°C lower than oxime-blocked.*
- * Reduced yellowing when over-cured or at elevated temperatures.
» *While being aliphatic, compared to aromatic isocyanates.*
» *No MEKoxime, which has yellowing tendency.*
- * Improved compatibility and stability.
» *Due to its nonionic character and stable emulsion.*

BAYGARD® FBI fulfils all modern requirements in respect to performance, economy and sustainability.