

ByBlock® is a multi-purpose, high-performing insulating building material made entirely out of plastic waste - no additives or fillers. ByBlocks are designed to integrate harmoniously with traditional building materials such as lumber, steel and cement to meet the structural requirement of the project; offering excellent dimensional stability, water-resistant properties, and handles high-pressure load without cracking or crumbling.

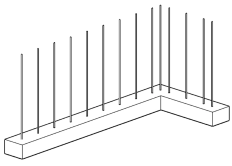


- **MATERIAL AND LABOR SAVINGS**
- **ZERO BREAKAGE**
- **CONTRIBUTES TO LEED CREDITS**
- **WATER RESISTANT**
- **INSECT RESISTANT**
- **EASY TO HANDLE**

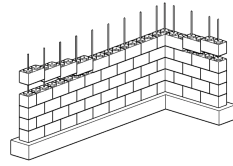


SKU:	BBK-011	CONTRIBUTES TO LEED CREDITS:	YES
DIMENSIONS:	15 3/4" x 7 7/8" x 8"	FASTENER WITHDRAWAL STRENGTH:	
WEIGHT:	22lbs	#10 X 2" Screw	202.9 lb <sup>ft</sup>
COMPRESSIVE STRENGTH:	408psi	3/8" Lag Screw X 3"	326.6 lb <sup>ft</sup>
STC:	21	FASTENER LATERAL RESISTANCE:	
R-VALUE:	1.14	#10 X 2" Screw	270 lb <sup>ft</sup>
K-FACTOR:	0.89	3/8" Lag Screw X 3"	519 lb <sup>ft</sup>
ENVIRONMENTAL:	UL GREENGUARD	EXPANSION/CONTRACTION:	0.89mm (-30° - +40°C)

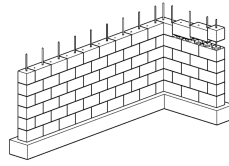
ByBlock is considered a Type 5 material and requires a fire retardant in specific applications.



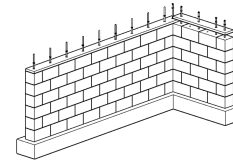
*Anchor threaded rebar into your base structure*



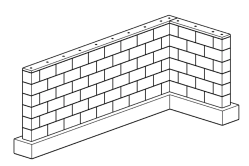
*Install BBK-011 Standard ByBlock in alternating courses*



*Install BBK-012 Flat ByBlock for your final course*

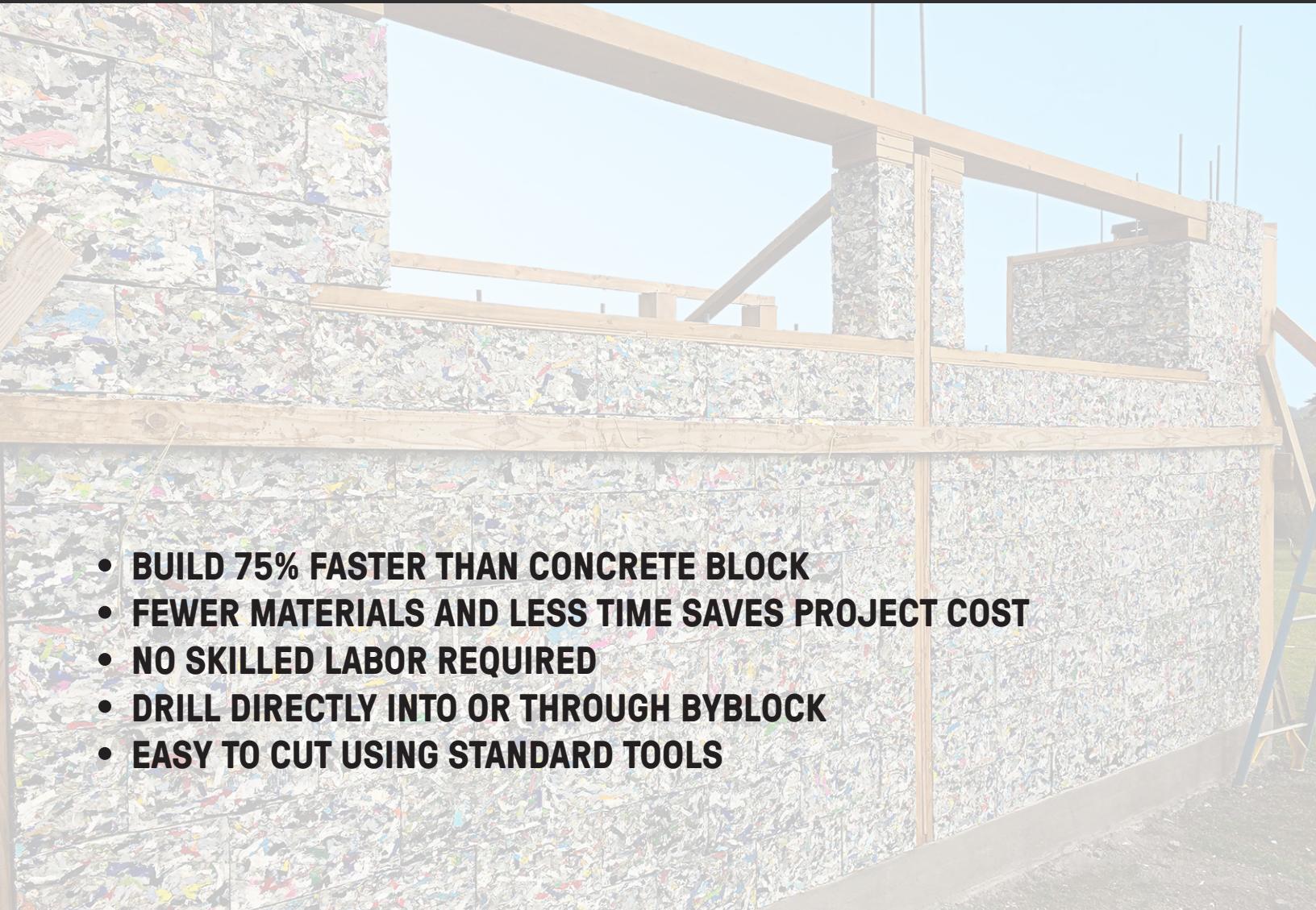


*Place prepared top plate over the threaded rebar and add washer and nut to each threaded rebar*



*Apply post-tension to each nut to minimum specifications and top plate is level*

## BUILDING WITH BYBLOCK IS SIMPLE, FAST, AND COST EFFECTIVE



- **BUILD 75% FASTER THAN CONCRETE BLOCK**
- **FEWER MATERIALS AND LESS TIME SAVES PROJECT COST**
- **NO SKILLED LABOR REQUIRED**
- **DRILL DIRECTLY INTO OR THROUGH BYBLOCK**
- **EASY TO CUT USING STANDARD TOOLS**



**BYFUSION**

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