



GreenJams

Creating a beautiful
carbon-neutral built environment

Let's make better
buildings



About us

GreenJams is an award-winning cleantech enterprise creating carbon-negative building materials made using crop residues and industrial by-products. We are future-focused and working towards building a zero-carbon future for the next billion people to work and live in.



“Buildings

are responsible for 45%
of global carbon emissions”



“100 million

tonnes of crop residues
are burnt annually in India”

AGROCRETE®

Made of crop residues and industrial by-products this 100% up-cycled building material is carbon-negative. It is lightweight, strong, durable and thermally insulating helping architects and builders achieve net zero buildings.



Crop-residue products



Industrial by-products



Agrocrite®



AGROCRETE®

Solid Blocks

Replacement of clay bricks, fly ash bricks and concrete masonry units. Best suited for load-bearing construction and low-rise structures.

50% lower
construction cost

50% higher
thermal insulation

30% lesser
weight



60% faster
masonry

60% lesser
mortar required

20% lesser
plaster requirements

Other features: Excellent finish, mason-friendly, monumental durability and life, excellent bonding with plaster.

Technical specifications:

Parameter	Value	Unit
Dimensions	400x150x100; 300x200x100	mm
Compressive Strength	≥10	MPa
Dry Density	1400 – 1500	kg/m ³
Water Absorption	10 – 12	%
Drying Shrinkage	0.04	%
Thermal Conductivity	0.40 – 0.43	W/m.K
Embodied Carbon	-0.15	kg.CO ₂ /kg



“Tested and verified by CSIR-Central Building Research Institute (CSIR-CBRI), Roorkee”



AGROCRETE®

Hollow Blocks

A lightweight, highly insulating, carbon-negative replacement of AAC blocks and hollow burnt-clay blocks. Best suited for non-load bearing applications within structural frames in low-rise, mid-rise and high-rise structures.



40% higher
thermal insulation

40% lower
construction cost

20% thinner
walls

Other features: Accepts hammering and chiselling, excellent bonding with plaster, excellent finish, mason-friendly, higher strength, monumental durability and life.

Technical specifications:

Parameter	Value	Unit
Dimensions	400x150x225; 400x150x150; 400x150x125; 400x150x100	mm
Compressive Strength	≥ 5	MPa
Dry Density	800 – 1000	kg/m ³
Water Absorption	10 – 15	%
Drying Shrinkage	0.04	%
U-Value (200mm)	1.3	W/m ² .K
U-Value (150mm)	1.6	W/m ² .K
Embodied Carbon	-0.15	kg.CO ₂ /kg



"Cement

manufacturing is responsible for almost 8% of global carbon emissions"

BINDR™

BINDR™ is a zero-clinker low carbon replacement of Portland cement for masonry mortar and plaster applications.



Technical specifications:

Parameter	Value	Unit
Characteristic Compressive Strength	≥ 43	MPa
Initial Setting Time	100	min
Final Setting Time	250	min
Embodied Carbon	0.10	kg.CO ₂ /kg

Advantages:

80% lower
carbon emissions

Lesser
water required

Early
strength gain

Excellent
bonding



GreenJams

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