GIGACRETE™

BUILD STRONG. BUILD FORWARD.

GIGAPANEL COMPARATIVE TECHNICAL INFORMATION

ATTRIBUTE	WOOD STUD	STEEL STUD	CMU BLOCK	SIPS	ICF	GIGAPANEL
AVERAGE TRADES REQD	11	11	8	10	9	**4**
INSULATION R-VALUE	16	16	16	25	25	**28+**
HURRICANE RESISTANCE	NO	YES	YES	NO	YES	**YES**
SEISMIC RESISTANCE	NO	YES	NO	NO	YES	**YES**
VAPOR RESISTANCE	NO	NO	NO	NO	YES	**YES**
MOLD RESISTANCE	NO	YES	NO	NO	NO	**YES**
MILDEW RESISTANCE	NO	YES	NO	NO	NO	**YES**
INSECT RESISTANCE	NO	YES	YES	NO	YES	**YES**
VERMIN RESISTANCE	NO	YES	YES	NO	YES	**YES**
FIRE RESISTANCE	POOR	GOOD	GOOD	POOR	GOOD	**GOOD**
TOXICITY PRODUCED	HIGH	LOW	LOW	HIGH	LOW	**VERY LOW**
AIR LEAKAGE	0.35	0.35	0.3	0.2	0.09	**0.05**
TIME TO COMPLETE	SLOW	SLOW	VERY SLOW	FAST	SLOW	**VERY FAST**
WEIGHT PER kgs./m2	19.5	24.4	244	24.4	268.5	**24**
RECYCLABILITY %	0.15	0.5	75%	10%	35%	**99%**

Conclusions

- Faster construction times than conventional construction
- Significantly reduced labor costs = 10% to 50% typical cost savings
- Reduced project timeline costs
- Higher R-Values
- Higher resistance levels in all areas
- Higher recyclability
- Healthier materials

GIGAPANEL SPECIFICATIONS

Engineered up to 200 MPH wind speeds
Engineered to suit all Seismic Zones
Mold, Mildew, Insect and Vermin Resistant
Meets IBC Fire Testing Standards
Meets Steel Framed Construction standards

MATERIALS USED

1.0 to 2.0 lbs. density EPS foam, meets ASTM 84
StuccoMax exterior cementitious coating using natural Limestone fillers, Fiberglass mesh, NO SILICA SAND
PlasterMax interior fire rated ceramic plaster direct applied over foam, no gypsum board. Meets NFPA 286, ASTM E84, ASTM E136, ASTM G121, ASTM C587. Utilizing Natural Limestone fillers, Fiberglass mesh, No silica sand.