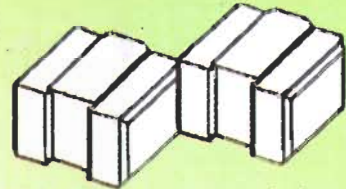


HYDRAFORM GREEN BUILDING TECHNOLOGY

Assists in your Green Building Initiative

HYDRAFORM GREEN BLOCKS



1 • Uses post Consumer / Industrial / Agricultural waste as raw material



2 • Locally available resources used

- ▶ Ash
- ▶ Soil - Excavated or nearby
- ▶ Waste lime / Gypsum / Cement / Sand

3 • No Burning - Eco friendly



4 • No transportation - can be casted at site

5 • Low Embodied Energy - minimal cement



6 • Re-usable & Recyclable Blocks



7 • Thermally Efficient - Maximum Soil Or Ash content

8 • Mix ratio flexibility-Design your blocks to suit cost - thermal values

9 • Fast Construction - Saves time and labour



BLOCK PRODUCTION PROCESS

Soil / Fly Ash

+

Lime / Gypsum
Cr. Sand/St. Dust + Cement + Water

Mixing & Block Making In Hydraform Machine



Interlocking Construction

24 Hrs Self Covered Curing

2 Weeks Curing By Sprinkling Water

Quality Check & Dispatch



HYDRAFORM INTERLOCKING GREEN MASONRY



THINK BEYOND BRICK & MORTAR !

Hydraform Building System Meets Green Rating Criteria :

A) Use of Local and regional materials to make blocks viz. excavated site soil; post-consumer content / renewable or bio-based material like rice husk ash, baggase ash; post-industrial content like fly ash, waste lime, gypsum, marble powder, etc up to 50% of total composition of block depending on target strength and other techno – commercial requirements.

[Fulfilling criteria of LEED MR 4.1/4.2/5.1/5.2/6.0 and Criteria 15 of TERI-GRIHA]

B) » Hydraform Blocks can be made light-weight (using more than 60 % fly ash) to reduce the overall density of masonry; Blocks can be made with higher compressive strength for use in Load Bearing constructions.

» Blocks are interlock in shape & expose brick finish with beveled edges facilitating Cost & time efficient construction without mortar. Slurry use is optional. Site Casting is possible to reduce cost & time.

[Fulfilling Criteria 16 of TERI-GRIHA]

C) Blocks made with soil / fly ash and interlocking masonry have low embodied energy (EEV) and thus save on amount of energy consumed in making blocks & construction

[Fulfilling Criteria 22 of TERI GRIHA]

Relevant Reference in LEED & TERI-GRIHA :

LEED :

» MRCredit : 4.1,4.2 – Use of Recycled Contents.(1-2 points)

» MR Credit : 5.1,5.2 – Maximum use of Local and Regional material.(1-2 points)

» MR Credit : 6.0 - Use of rapidly renewable building materials & products.(1 point)

TERI-GRIHA:

» Criteria 15 - Utilization of flyash in building & structure.(6points)

» Criteria 16 - Reduce volume, weight and construction time by adopting efficient technologies [4 pts.]

» Criteria 22 - Minimum 5% reduction in Embodied Energy compared with equivalent products. (1pt.)



HYDRAFORM (INDIA) PVT. LTD.

602-B, Ansal Majestic Tower, PVR complex, Vikas Puri, New Delhi- 110018, India.

Ph. +91 11 28542643, 45620885, Mobile : 9312578095, 9810233725 Fax: +91 11 28542642

Email: info@hydraformindia.com ; sales@hydraformindia.com website: www.hydraformasiasia.com

www.hydraformasiasia.com