

Name IntegraSpec ICF (Insulating Concrete Forms) by Phil-Insul Corp.



Product ID IntegraSpec ICF Classification 03 11 19.00 Concrete (footing): Insulating Concrete Forming

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Description

IntegraSpec® ICF (Insulating Concrete Forms) are manufactured / molded with Expanded Polystyrene (EPS) Type 2 closed cell foam. The ICF Panels/Blocks interlocks together and are bi-directional and reversible (flippable) to permit quick insulated structural concrete wall construction with virtually no wastes. High Impact Polystyrene (HIPS) plastic insert trusses are imbedded in the molded form's EPS during manufacturing and provides 1 5/8" [4.1cm] vertical furring strips (stud) and positioned at every 8" [20.3cm] on center; which also provides a slide into which spacers / webs are inserted (during the ICF wall construction) which retains the ICF panels to form a block and creates a hollow cavity into which the reinforcing steel bars (as specified by building code or engineer) is also installed in the provided locking notches of the said spacers / webs; concrete is then poured inside the hollow cavity of the ICF forms once the ICF wall assembly is completed. The HIPS inserts trusses within the ICF forms also prevents the form / wall compression during the concrete placement and provides a vertical reinforcing spine to prevent walls from bulging and resist the wet concrete pressure within the forms when pouring. The interior or concrete side of the IntegraSpec form panels/blocks have incorporated dovetail grooves for full and permanent contact and bonding with the structural concrete core which eliminates air infiltration and exfiltration between the ICF forms and concrete wall for optimal energy efficiency.

The IntegraSpec Spacers/Webs are manufactured using HIPS plastics and slides into IntegraSpec imbedded panel's inserts for creating the uniform concrete core thickness. The spacers/Webs are available in various width (from 4" [10cm] to 12" [30.5cm]) and they may also be joined together for the specified concrete wall width. Spacers/Webs also interlock with each other which eliminates form lift and form compaction during concrete placement and providing a "spine" effect keeping the wall straight. The interlocking spacers/webs also eliminates tape, ties and glue of the wall assembly / concrete placement.

To save on shipping cost and storage space, IntegraSpec ICF products is shipped disassembled and wrapped in UV protective bundles directly from the manufacturing plant to warehouses or directly to the job site. The IntegraSpec ICF forms do not require pre-assembly; IntegraSpec ICF forms are used to construct the walls directly out of their packaging /bundle(s).

Release Date 2014-02-05 ☒ Self-declared
Expiry Date 2017-02-05 ☐ Second Party Certifier
HPD URL <http://tool.hpdcollaborative.org/uploads/files/hpds/403/446-20140205155839.pdf> ☐ Third Party Certificate #

SUMMARY DISCLOSURE

The content of this product was assessed for health hazard warnings as required using Pharos

Residuals Disclosure ☒ measured 100 ppm (ideal) ☐ measured 1000 ppm ☐ predicted by process chemistry ☐ as per MSDS (10,000 ppm) ☐ not disclosed ☐ other

Full Disclosure of Intentional Ingredients ☒ Yes ☐ No

Full Disclosure of Known Hazards ☒ Yes ☐ No

Notes
As disclosed by Raw Material Manufacturer BASF - MSDS

Contents in Descending Order of Quantity
POLYSTYRENE , HIGH-IMPACT POLYSTYRENE

Hazards ☐ PBT (Persistent) ☐ Development **Highest concern GreenScreen score - Unspecified** ☐ Neurotoxicity ☐ Land toxicity ☐ Multiple

- ☐ Bioaccumulative Toxic)

☐ Cancer

☐ Gene Mutation
- ☐ Reproductive

☐ Endocrine

☐ Respiratory
- ☐ Mammal

☐ Skin or Eye

☐ Aquatic toxicity
- ☐ Physical hazard

☐ Global warming

☐ Ozone depletion
- ☐ Unknown

Total VOC Content

Material (g/L)

Regulatory (g/L)

N/A

N/A

Does the product contain exempt VOCs?

Are there VOC-free tints available?

☒ N/A

☐ Yes

☐ No

☒ N/A

☐ Yes

☐ No

Notes

Certifications + Compliance			
VOC Emissions	GreenGuard - Gold (previously Children & Schools)	VOC Content	N/A
	GreenGuard - Indoor Air Quality Certified		

The HPD Standard is solely a declaration of product content and direct health hazards associated with exposure to its individual contents. It is not a full assessment of environmental impacts from the life cycle of this product. It is not an assessment of risks associated with actual use of the product. It does not address the potential health impacts of substances used or created during manufacture that do not appear in the final product as residuals, nor substances created during combustion or other degradation processes.

This Health Product Declaration was generated following the requirements of the noted Standard version and is valid for a total of three years after date of issue or three months after a substantive change of product contents occurs. Users should verify that this Health Product Declaration is compliant with the most current version of the HPD Standard. Accuracy of claims made in this Health Product Declaration is the sole responsibility of the listed manufacturer and certifier (if applicable). The HPD Collaborative does not warrant any claim made herein, explicit or implicit. The HPD Standard is an “open standard” developed and managed by the HPD Collaborative, a nonprofit organization. For more information, visit hpdcollaborative.org.

CONTENT IN DESCENDING ORDER OF QUANTITY

All ingredients must be assessed for health warnings against Priority Hazard Lists, regardless of disclosure level. Priority Hazard Lists and information on the GreenScreen Benchmarks can be found at www.hpdcollaborative.org/hazardlists. **GS:** GreenScreen Benchmark; **RC:** Recycled Content, **PC:** Post Consumer, **PI:** Post Industrial (Pre-consumer), **BO:** Both; **Nano:** comprised of nanoscale particles or nanotechnology

Name	CAS RN	% weight	GS	RC	Nano	Role
Hazard	Warnings					Notes
POLYSTYRENE	9003-53-6	50 %	U	N	N	Used as a concrete form and permanent energy efficient insulation
None found	No warnings found on HPD Priority lists					Raw Material by BASF: Styropor F95 Series # BFL 397, 397s and 495
HIGH-IMPACT POLYSTYRENE		50 %		BO	N	Provides structural stabtily and resistance against wet concrete pressure and attachment of finishing substrates
None found	No warnings found on HPD Priority lists					HIPS # ARPS100 - formulation by Aaron Industries 95% Post Industrial Feedstock 5% Post Consumer Feedstock

CERTIFICATIONS AND COMPLIANCE

Certifying Party = First: Manufacturer’s self-declaration; Second: Verification by trade association or other interested party; Third: Verification by independent certifier (ideal). **Applicable facilities** = Manufacturing sites to which testing applies.

Type	Standard or Certification			Certifier or Laboratory	
	Certifying Party		Issue Date	Expiry Date	Certificate URL
	Applicable Facilities			Notes	
VOC Emissions	GreenGuard - Gold (previously Children & Schools)			GreenGuard Environmental Institute (GEI)	
	3rd party independent certification		2008-04-21	2014-10-08	productguide.ulenvironment.com/ProductDetail.aspx?productID=1828&BrandID=387
	ALL				
VOC Emissions	GreenGuard - Indoor Air Quality Certified			GreenGuard Environmental Institute (GEI)	
	3rd party independent certification		2004-11-04	2014-10-08	productguide.ulenvironment.com/ProductDetail.aspx?productID=1828&BrandID=387
	ALL				
VOC Content	N/A				

Recycled Content	Not tested			
Other				

ACCESSORY MATERIALS

This section is for additional products required by warranty or recommended by the manufacturer for installation (such as adhesives, fasteners, or factory coatings) or for maintenance, cleaning, or operations. Refer to Health Product Declarations, published separately, for a complete view of these products.
Note: This declaration is not intended to address hazards of the installation process.

Required or Recommended Product	URL for Companion Health Product Declaration
Condition when required or recommended and/or other notes	
N/A	
N/A	

NOTES