

LIGHTWEIGHT PIPE SUPPORT INNOVATION

# ArmaFix<sup>®</sup> EcoLight

Pipe support brackets are a potential trouble spot for pipe insulation applications. The insulation can be crushed by the pipe hanger causing a thermal bridge point that will cause condensation to form. Armacell's new ArmaFix<sup>®</sup> EcoLight pipe supports, with load-bearing PET core, support and protect the insulation from being crushed or damaged, maintaining the thermal integrity of the system.

- Prevents thermal bridging
- PET core with 100% post-consumer recycled content
- Matches Armacell insulation sizes
- Self-sealing, easy to install
- Lightweight, yet durable

[www.armacell.us](http://www.armacell.us)



 **armacell**<sup>®</sup>  
ArmaFix<sup>®</sup>

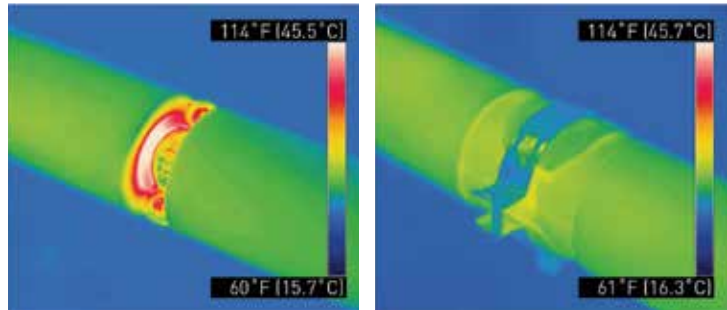
## TECHNICAL DATA – ARMAFIX ECOLIGHT

Brief description	Pipe support to prevent condensation and insulation damage at fixing points. All dimensions match Armacell nominal wall thickness.
Material Type	PET-foam load bearing core, Armacell insulation on the outer part for connection. Outside cladding made of PVC foil.
Color	Black
Applications	Thermally non-interacting mounting aid for tubes insulated with Armacell elastomeric foam.
Installation	Install at ambient temperatures above 50°F (10°C) and use Armaflex 520 adhesive to adhere the supports to the rest of the Armaflex insulation system.

Property	Value / Assessment	Test Method
<b>Temperature Range</b>		
Service Temperature	Max. Service Temperature	+ 176° F (+ 80° C)
	Min. Service Temperature	32° F (0° C)
<b>Thermal Conductivity</b>		
Thermal Conductivity	0.25 btu-in/(hr-ft <sup>2</sup> -°F)	ASTM C177 or ASTM C518
<b>Other Technical Features</b>		
Compressive Strength	220 psi	
Shear Strength	100 psi	
Density	6 - 7 lbs/ft <sup>3</sup> (pipe bearing segments)	
Storage and Shelf Life	Products with Self-adhesive Closures to be Installed within 1 Year	

ArmaFix EcoLight approved for use in air plenums per UL 2043 for a maximum ID of 1" per UL File number R39314.

Uninsulated pipe brackets present a weak point in insulation systems where thermal bridging can cause condensation, energy losses, corrosion and expensive secondary damage to occur. Thermally isolating the pipe from the fixing clamps using ArmaFix EcoLight insulated supports provides a long term solution for condensation control.



## ARMAFIX ECOLIGHT PIPE SUPPORTS

Item	EcoLight Nominal ID	Nominal Copper Tube Size	Nominal Iron / PVC Pipe Size	Carton Quantity	Recommended Clamp Size, Outside Diameter (OD) Size	EcoLight Length
<b>1/2 in Wall</b>						
ECO01412	1/4"	-	-	24	1"	3"
ECO03812	3/8"	1/4"	1/8"	18	1-1/4"	3"
ECO01212	1/2"	3/8"	1/4"	18	1-1/4"	3"
ECO05812	5/8"	1/2"	3/8"	18	1-1/2"	3"
ECO03412	3/4"	5/8"	-	18	1-1/2"	3"
ECO07812	7/8"	3/4"	1/2"	18	2"	3"
ECO11812	1-1/8"	1"	3/4"	24	2"	3"
ECO13812	1-3/8"	1-1/4"	1"	18	2-1/2"	3"
ECO15812	1-5/8"	1-1/2"	1-1/4"	18	2-1/2"	3"
ECO11012	1-7/8"	-	1-1/2"	24	3"	3"
ECO21812	2-1/8"	2"	-	24	3"	3"
ECO20012	2-3/8"	-	2"	24	3-1/2"	3"
ECO25812	2-5/8"	2-1/2"	-	12	3-1/2"	4"
ECO21012	2-7/8"	-	2-1/2"	12	4"	4"
ECO31812	3-1/8"	3"	-	12	4"	4"
ECO30012	3-1/2"	-	3"	12	5"	4"
ECO35812	3-5/8"	3-1/2"	-	12	5"	4"
ECO41812	4-1/8"	4"	3-1/2"	12	5"	4"
ECO40012	4-1/2"	-	4"	4	6"	6"
ECO50012	5-1/2"	-	5"	3	8"	6"
ECO60012	6-5/8"	-	6"	3	8"	6"
ECO80012	8-5/8"	-	8"	2	10"	6"

Item	EcoLight Nominal ID	Nominal Copper Tube Size	Nominal Iron / PVC Pipe Size	Carton Quantity	Recommended Clamp Size, Outside Diameter (OD) Size	EcoLight Length
<b>3/4 in Wall</b>						
ECO01434	1/4"	-	-	18	1-1/2"	3"
ECO03834	3/8"	1/4"	1/8"	18	2"	3"
ECO01234	1/2"	3/8"	1/4"	18	2"	3"
ECO05834	5/8"	1/2"	3/8"	24	2"	3"
ECO03434	3/4"	5/8"	-	24	2-1/2"	3"
ECO07834	7/8"	3/4"	1/2"	18	2-1/2"	3"
ECO11834	1-1/8"	1"	3/4"	18	3"	3"
ECO13834	1-3/8"	1-1/4"	1"	24	3"	3"
ECO15834	1-5/8"	1-1/2"	1-1/4"	24	3"	3"
ECO11034	1-7/8"	-	1-1/2"	24	3-1/2"	3"
ECO21834	2-1/8"	2"	-	24	3-1/2"	3"
ECO20034	2-3/8"	-	2"	18	4"	3"
ECO25834	2-5/8"	2-1/2"	-	12	4"	4"
ECO21034	2-7/8"	-	2-1/2"	12	5"	4"
ECO31834	3-1/8"	3"	-	12	5"	4"
ECO30034	3-1/2"	-	3"	12	5"	4"
ECO35834	3-5/8"	3-1/2"	-	12	5"	4"
ECO41834	4-1/8"	4"	3-1/2"	12	6"	4"
ECO40034	4-1/2"	-	4"	6	6"	6"
ECO50034	5-1/2"	-	5"	6	8"	6"
ECO60034	6-5/8"	-	6"	2	8"	6"
ECO80034	8-5/8"	-	8"	2	10"	6"
<b>1 in Wall</b>						
ECO01410	1/4"	-	-	18	2"	3"
ECO03810	3/8"	1/4"	1/8"	12	2"	3"
ECO01210	1/2"	3/8"	1/4"	12	2-1/2"	3"
ECO05810	5/8"	1/2"	3/8"	18	2-1/2"	3"
ECO03410	3/4"	5/8"	-	18	2-1/2"	3"
ECO07810	7/8"	3/4"	1/2"	24	3"	3"
ECO11810	1-1/8"	1"	3/4"	24	3"	3"
ECO13810	1-3/8"	1-1/4"	1"	24	3-1/2"	3"
ECO15810	1-5/8"	1-1/2"	1-1/4"	24	3-1/2"	3"
ECO11010	1-7/8"	-	1-1/2"	18	4"	3"
ECO21810	2-1/8"	2"	-	12	4"	3"
ECO20010	2-3/8"	-	2"	12	5"	3"
ECO25810	2-5/8"	2-1/2"	-	12	5"	4"
ECO21010	2-7/8"	-	2-1/2"	12	5"	4"
ECO31810	3-1/8"	3"	-	12	5"	4"
ECO30010	3-1/2"	-	3"	12	6"	4"
ECO35810	3-5/8"	3-1/2"	-	6	6"	4"
ECO41810	4-1/8"	4"	3-1/2"	6	6"	4"
ECO40010	4-1/2"	-	4"	6	8"	6"
ECO50010	5-1/2"	-	5"	2	8"	6"
ECO60010	6-5/8"	-	6"	2	10"	6"
ECO80010	8-5/8"	-	8"	2	12"	6"
ECO10010	10-3/4"	-	10"	2	14"	6"
<b>1-1/2 in Wall</b>						
ECO03815	3/8"	1/4"	1/8"	12	3-1/2"	3"
ECO01215	1/2"	3/8"	1/4"	12	3-1/2"	3"
ECO05815	5/8"	1/2"	3/8"	12	3-1/2"	3"
ECO03415	3/4"	5/8"	-	12	3-1/2"	3"
ECO07815	7/8"	3/4"	1/2"	18	4"	3"
ECO11815	1-1/8"	1"	3/4"	12	4"	3"
ECO13815	1-3/8"	1-1/4"	1"	24	4"	3"
ECO15815	1-5/8"	1-1/2"	1-1/4"	24	5"	3"
ECO11015	1-7/8"	-	1-1/2"	24	5"	3"
ECO21815	2-1/8"	2"	-	24	5"	3"
ECO20015	2-3/8"	-	2"	24	5"	3"
ECO25815	2-5/8"	2-1/2"	-	12	6"	4"
ECO21015	2-7/8"	-	2-1/2"	6	6"	4"
ECO31815	3-1/8"	3"	-	6	6"	4"
ECO30015	3-1/2"	-	3"	2	6"	4"

Item	EcoLight Nominal ID	Nominal Copper Tube Size	Nominal Iron / PVC Pipe Size	Carton Quantity	Recommended Clamp Size, Outside Diameter (OD) Size	EcoLight Length
<b>1-1/2 in Wall (cont.)</b>						
EC035815	3-5/8"	3-1/2"	-	2	8"	4"
EC041815	4-1/8"	4"	3-1/2"	6	8"	4"
EC040015	4-1/2"	-	4"	2	8"	6"
EC050015	5-1/2"	-	5"	2	10"	6"
EC060015	6-5/8"	-	6"	2	10"	6"
EC080015	8-5/8"	-	8"	2	12"	6"
EC010015	10-3/4"	-	10"	2	14"	6"
<b>2 in Wall</b>						
EC003820	3/8"	1/4"	1/8"	12	4"	3"
EC001220	1/2"	3/8"	1/4"	12	5"	3"
EC005820	5/8"	1/2"	3/8"	12	5"	3"
EC003420	3/4"	5/8"	-	12	5"	3"
EC007820	7/8"	3/4"	1/2"	12	5"	3"
EC011820	1-1/8"	1"	3/4"	12	5"	3"
EC013820	1-3/8"	1-1/4"	1"	12	5"	3"
EC015820	1-5/8"	1-1/2"	1-1/4"	18	6"	3"
EC011020	1-7/8"	-	1-1/2"	6	6"	3"
EC021820	2-1/8"	2"	-	6	6"	3"
EC020020	2-3/8"	-	2"	12	6"	3"
EC025820	2-5/8"	2-1/2"	-	2	8"	4"
EC021020	2-7/8"	-	2-1/2"	6	8"	4"
EC031820	3-1/8"	3"	-	6	8"	4"
EC030020	3-1/2"	-	3"	2	8"	4"
EC035820	3-5/8"	3-1/2"	-	2	8"	4"
EC041820	4-1/8"	4"	3-1/2"	2	8"	4"
EC040020	4-1/2"	-	4"	2	8"	6"
EC050020	5-1/2"	-	5"	2	10"	6"
EC060020	6-5/8"	-	6"	2	10"	6"
EC080020	8-5/8"	-	8"	2	12"	6"
EC010020	10-3/4"	-	10"	2	16"	6"

\* Copper sizes based on Type K, IPS based on NPS

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## ABOUT ARMACELL

As the inventors of flexible foam for equipment insulation and a leading provider of engineered foams, Armacell develops innovative and safe thermal, acoustic and mechanical solutions that create sustainable value for its customers. Armacell's products significantly contribute to global energy efficiency making a difference around the world every day. With 3,000 employees and 26 production plants in 18 countries, the company operates two main businesses, Advanced Insulation and Engineered Foams. Armacell focuses on insulation materials for technical equipment, high-performance foams for high-tech and lightweight applications and next generation aerogel blanket technology.



For more information, please visit:  
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