

Formwork for various applications



Pecafile[®] The stay-in-place formwork

NEW

Pecafile[®] permanent formwork is a truly versatile product; it can be used for many applications, because Pecafile[®] is produced in various panel and strip formats with application-specific wire diameters and mesh widths. The uses of the product are therefore diverse – both as a stay-in-place formwork for foundations as well as a separation layer for bored piles or sheet piling, Pecafile[®] offers numerous possibilities and benefits. This is particularly the case with easily dissolvable soil types such as sand or gravel, where the product proves to be the ideal formwork solution. The concrete formwork is fast and easy to install and replaces conventional timber or steel shuttering. Units

are prefabricated to allow for rapid installation or can be easily cut and bent on site.

Advantages

- Fast and simple installation
- No time or costs for stripping, cleaning and returning the formwork
- No need for lifting equipment
- Release agent is not necessary
- Product film contains at least 35% recycled content



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Pecafil[®] for Duct Bank Applications



Pecafil[®]
The stay-in-place formwork

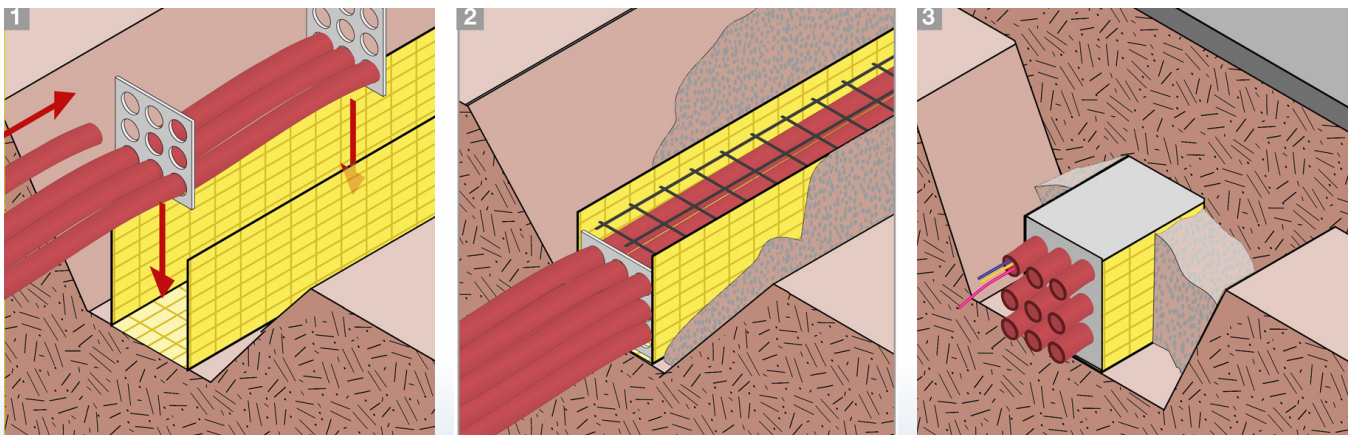
Pecafil[®] stay-in-place formwork is an ideal solution for duct bank construction supporting electrical, data, and communications conduit runs. Used in lieu of traditional wood or steel forms, Pecafil[®] allows contractors to form clean, dimensionally accurate duct banks directly in excavated trenches without stripping forms after the pour.

For data centers, utility corridors, and commercial infrastructure, Pecafil[®] helps maintain precise duct bank geometry while reducing concrete overuse caused by over-excavation. The rigid mesh-reinforced plastic surface prevents soil, debris, and mud from sloughing into the pour area, keeping conduit and

reinforcement clean and properly aligned prior to placement.

BoMetals can supply complete duct bank systems, including Pecafil[®] panels formed to project-specific dimensions and conduit spacer racks in virtually any configuration. This ensures proper conduit spacing, cover, and alignment for power, fiber, and low-voltage installations while accelerating installation and improving jobsite quality.

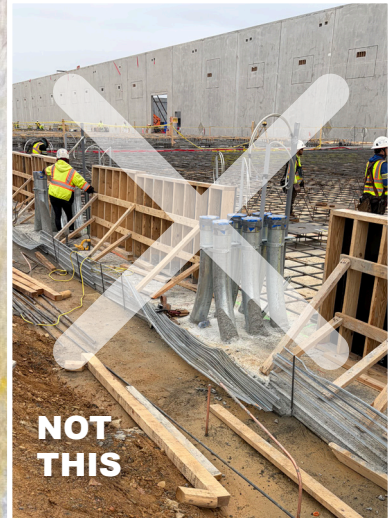
The result is a faster install, cleaner pours, reduced concrete waste, and long-term durability—all critical advantages for high-density conduit systems where precision matters.



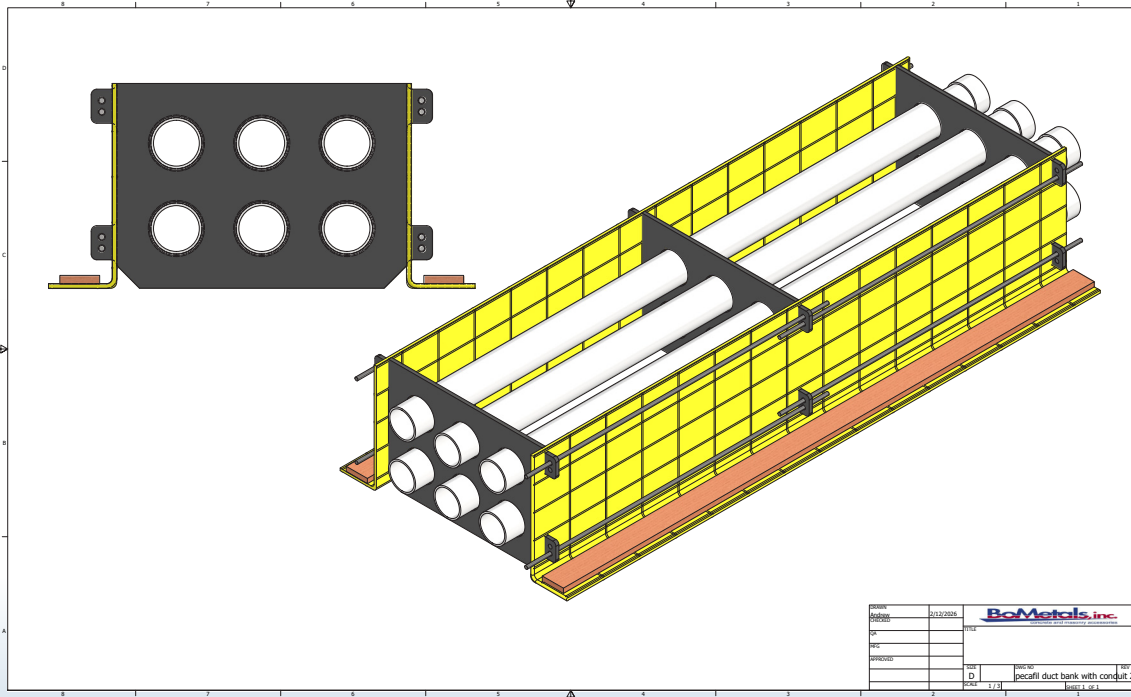
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Duct Bank Conduit Spacer Cards

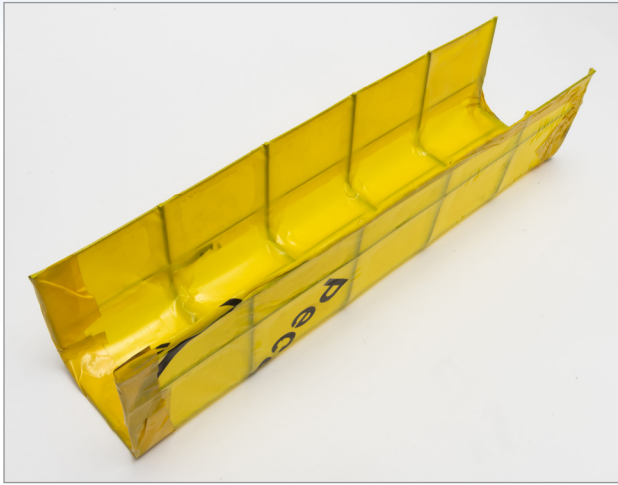
BoMetals Duct Bank Conduit Spacer cards are the premier spacer cards in the industry. Specifically designed to work with Pecafil® stay in place forms. Designed with an integrated water system dramatically reducing shoring, saving installation time and money. Custom made from high strength HDPE recycled materials.



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Pecafil® Technical Information



Pecafil® is flexible plastic formwork for cast-in-place concrete foundations such as pile caps, duct banks grade beams, and shallow footings. Pecafil® is manufactured in panels composed of a steel wire mesh encapsulated within two layers of a high-grade polyethylene film (plastic) membrane, which is

heat shrunk onto the mesh, creating a sealed panel that can be bent and shaped to adapted to various foundation shapes. The membrane has an average puncture resistance of 21.7 lbf complying with ASTM D4833 meeting the resistance to mechanical damage requirement from ACI 347. Concrete placement requirements defined in ACI 347 must be maintained.

According to ACI 347-R14 guidelines for formwork, the maximum lateral pressure on foundation walls at a concrete placement temperature of 60°F is highly dependent on the rate of placement, mix chemistry, and unit weight. Assuming normal-weight concrete (150 pcf), standard cement (no retarders), and a maximum slump of 7 inches, a placement rate of 3 to 4 feet per hour generally applies Moderate Pressure (600–700 psf).

PECAFIL® SUSTAINABILITY:

Recycled content: 92.86 wt%

Recycled content pre-consumer: 20.74 wt%

Recycled content post-consumer: 72.12 wt%

Key Physical and Mechanical Properties	LDPE Film	HDPE Spacer Cards	Test Method
Density: (lb/in ³)	0.033	0.035	ASTM D792
Tensile Strength (Yield psi):	1,400	4,000	ASTM D638
Elongation at Break: (100%)	100%	500%	ASTM D638
Flexural Modulus: (psi)	29,000	181,000	ASTM D790
Hardness: (Shore D)	D45	D65	ASTM D785
Impact Strength: (ft -lb/in)	No Break	3.5	ASTM D256
Puncture Resistance (LbF)	21.7	N/A	ASTM D4833