

EXTENDED LIFE PLASTIC™

OVERVIEW

Extended Life Plastic keeps your portal functioning at the coldest temperatures.

Plastic deployed outdoors such as in portal monitors are exposed to humid summers and cold winters, which can cause the plastic to fog. Encapsulated plastic detector remedies this situation while maintaining constant low energy performance.

Saint-Gobain has incorporated a revolutionary barrier film along with the standard wrapping to provide an effective seal against vapor penetration.

KEY FEATURES

- Sensitivity to gamma rays is unaffected
- Proven reliability with hygroscopic scintillators
- Incorporated into existing product designs with minimal dimensional changes



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TECHNICAL SPECIFICATION

- PVT Scintillator wrapped in reflector
- Scintillator encapsulated against moisture intrusion with Saint-Gobain barrier wrap
- Outer surface wrapped in light sealing black vinyl
- Photomultiplier tube (PMT) sealed to the scintillator as part of moisture barrier encapsulation

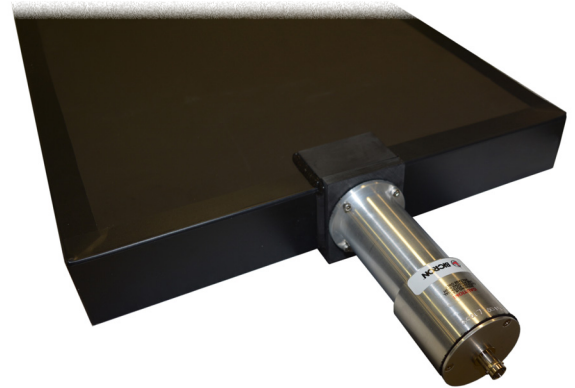
DESIGN CONSIDERATIONS AND PRODUCT OPTIONS

In preparing a portal monitor panel for field use, the photo-sensor is an integral part of the moisture barrier encapsulation.

Saint-Gobain's team of engineers will be happy to work with your staff to develop the optimum solution.

WARRANTY

- Two year warranty for workmanship
- Five year warranty for no fogging of the PVT plastic scintillator
- Warranty applies for exposure to temperature range of -30°C to +55°C



Saint-Gobain Crystals

www.crystals.saint-gobain.com

Manufacturer reserves the right to alter specifications.

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