

## AH Lightweight Insulation Block

Professional recycling of discarded glass



## About Spring Pool Glass

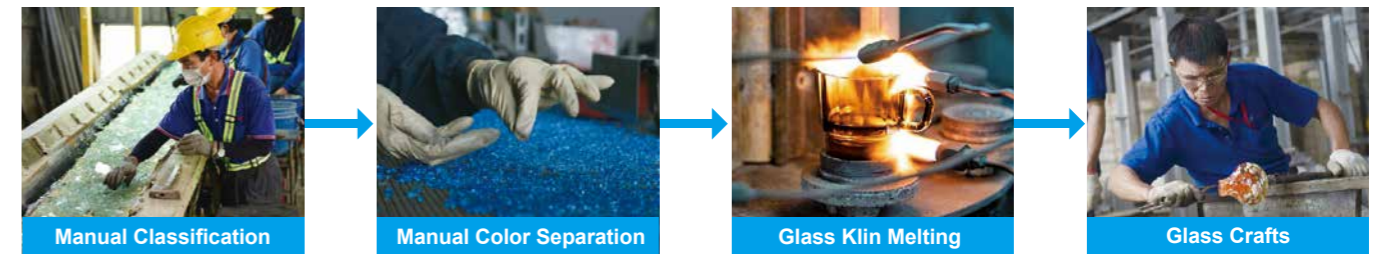
Spring Pool Glass Industrial Co., Ltd. is the largest recycling corporation of discarded glass and committed to raising the value of resource recycling. Currently, the enterprise span across multiple fields, such as industrial raw material, technological building materials and cultural arts sector, and manage tourism factory. Spring Pool Glass recycles and processes more than 100,000 tons of discarded glass each year and adheres to the corporate concept of "Sustainable Management, Green Innovation". Furthermore, the enterprise reserves the belief of "Deepening its roots in Taiwan and expanding its production worldwide", therefore receives "Golden Root Award" of Taiwan in 2015. President Tsai Ing-Wen personally visited the Spring Pool Glass tourism factory in September of 2016, and gave high praise to the enterprise, marking Spring Pool Glass as a model enterprise of Taiwan's "Circular Economy".



## Glass Recycling

### Glass Beans

Spring Pool Glass has been recycling various discarded glass for numerous years, with an annual volume of 100,000 tons. Spring Pool Glass relies on its years of experience to transport discarded glass into the factory and undergoes manual classification, color separation process and removal of impurities. Various diverse products are finally developed and produced after enduring mechanical grinding and glass kiln melting manufacturing processes. Spring Pool Glass is considered one of the best in the world within the field of building construction or exquisite glass crafts.



## Product Introduction

### AH Lightweight Insulation Block

The glass sand recovered by Spring Pool Glass from panels, contains aluminum oxide and silica. The alumina crystal is the main component for rare gems such as ruby and sapphire and has a solid structure. Silica has a low expansion coefficient, and as it is not sensitive to temperature, thus has a very low thermal conductivity, allowing it an exceptional component for thermal insulation. AH Lightweight Insulation Block is created by mixing glass sands from panels with cement and then micronized into foam at room temperature, forming a honeycomb structure which is then applied onto building materials, sound insulation supplies, and fireproof provisions. The product has 6 major characteristics, which are fireproof, sound insulation, heat insulation, environmental protection, non-toxic and shock absorption, enhancing the quality of construction and family life to a whole another level.



安新輕質節能磚  
 AH Lightweight Insulation Block

Close Up of Insulation Block

- Fire Protection: 120min
- Heat Insulation:  $\pm 12^{\circ}\text{C}$
- Light Weight: 15kg/m<sup>3</sup>
- Sound Insulation: 40dB
- Environmental Protection and Non-Toxic
- Easy Application

