

AMENDMENT 3

QUESTIONS AND ANSWERS

Q1. The material is to be made only with recycled plastic (100%), but is it acceptable if the total composition of the ceiling tile is not made entirely with plastic based products?

A1. As this is a plastics challenge, we are looking for uses for recycled plastics. We will accept a minimum of 50% recycled plastic content. The remaining 50% must also be a recycled material.

Q2. The challenge mentions renovation of a Global Affairs building. How many square feet is the proposed renovation?

A2. As a magnitude of order, the facility in question is tens of thousands of square metres.

Q3. Acoustical ceiling tiles are absorptive materials. In order to recycle plastic, which not absorptive, into a format that will be effective it will require a greater depth, possibly up to 4" / 10 cm. Is this acceptable to present?

A3. The product should meet a level of viability for use and installation. For further options, see question and answer number one.

Q4. Point 6 of desired outcomes and considerations is unclear. A 85% reduction of sound compared to an untreated room? Or does this mean that a solution must reduce the sound level of any given room by 85%? Is there a test procedure required to prove any claim of performance? Sound reduction is typically measured in decibels (dB) and it can sometime be confusing converting comparisons into percentages. If permissible we would attempt to present a proposal expressing expected results in decibels.

A4. It is acceptable to give the sound reduction in decibels. We are looking for a product that performs as well as, or better than, the standard acoustical tile.