

Duradek Ltd.—LEED Information

MR CREDIT 1.1: BUILDING REUSE—MAINTAIN EXISTING WALLS, FLOORS AND ROOF 1-3 Points

Intent

To extend the lifecycle of existing building stock, conserve resources, retain cultural resources, reduce waste and reduce environmental impacts of new buildings as they relate to materials manufacturing and transport.

Requirements

Maintain the existing building structure (including structural floor and roof decking) and envelope (the exterior skin and framing, excluding window assemblies and non-structural roofing material). The minimum percentage building reuse for each point threshold is as follows:

Building Reuse Points	
55%	1
75%	2
95%	3

Hazardous materials that are remediated as a part of the project must be excluded from the calculation of the percentage maintained. If the project includes an addition that is more than 2 times the square footage of the existing building, this credit is not applicable.

Potential Technologies & Strategies

Consider reusing existing, previously-occupied building structures, envelopes and elements. Remove elements that pose a contamination risk to building occupants and upgrade components that would improve energy and water efficiency such as windows, mechanical systems and plumbing fixtures.

Duradek Option: Building Reuse—Maintain Existing Roof

Duradek membranes fully adhered to a plywood or concrete roof deck are easily removed. In most cases the substrate can be reused with little or no remedial work.

The use of removable flashing trim reduces disturbance to wall cladding at time of membrane repair or replacement. Refer to [Duradek drawing IS-08](#).