

ECODUR 201R & ECODUR+ - QUICK GUIDELINE

NOTE: The following Quick Guideline is an abbreviated application guide and represents a simplified project with no penetrations, features, or common anomalies. Please consult with your local Sales Representative or email wecare@castagra.com for client support and/or technical questions. This is not intended to be a replacement or substitute for more detailed guidelines and is subject to change without notice.

METHOD:

- Use a 40-45 mil notched squeegee to spread Ecodur 201R or Ecodur+.
- Use a ¾" nap roller to back-roll in an overlapping V pattern, using a single underhand grip. Do not apply downward pressure to the roller. Do not spread the product beyond the squeegee lines.

REQUIREMENTS:

- Products should be applied by Castagra Certified Applicators only. Please visit www.castagra.com/training/ for training program information.
- Adhesion testing, moisture survey, and core samples required.
- Roof must be clean, dry, and tight.
- Contact Castagra if surface temperatures will be below 35°F or above 110°F during application.

APPLICATION INSTRUCTIONS:

1. Before applying Ecodur 201R or Ecodur+, adhesion testing must be performed.
2. Conduct a moisture survey and remove/replace all wet insulation, membranes, water damage, etc.
3. Conduct core testing to verify that layers are dry and in suitable condition for coating.
4. Repair membrane including seams, penetrations, flashings, curbs, and terminations with suitable/like materials.
5. Clean roof to ensure it is free of dirt, debris, oil, and other contaminants that could negatively affect adhesion.
6. Treat all roof perimeters, penetrations, drains, curbs, scuppers, curbs, and other features.
7. All loose seams and other areas where movement is likely must be 3-coursed with Ecodur 201R or Ecodur+ and fabric.¹
8. Mechanically fastening previously ballasted systems significantly modifies the roofing system characteristics. A qualified engineering analysis and determination is required to ensure roof system can be altered in such a way and how to properly secure the system to prevent damage as well as ensuring compliance with local and regional regulatory, environmental, and technical requirements.
9. Apply Ecodur 201R or Ecodur+ per the charts below:

SEAM TREATMENT GUIDE			
Fabric ¹	Application Rates (ESTIMATE)		
Size	4.31 gal kit	10 lb bag	1 lb bag
6" - 8" Fabric	150 lineal feet	30 lineal feet	3 lineal feet
10" - 18" Fabric	50 lineal feet	10 lineal feet	1 lineal foot

(1) High strength roofing grade polyester fabric such as Tie-TEX T272.

APPLICATION RATE GUIDE³

Substrate ²	Ecodur 201R & Ecodur+ – squares per 50 lb kit ³ (ESTIMATE)	Specification ⁴	Dry Film Thickness (MINIMUM)		Top Coat - US gallons per square ⁵ (ESTIMATE)	Specification ⁴	Dry Film Thickness (MINIMUM)
TPO	2.00 (200 sf)	10 Year	30 mils (0.030")	+	3.0	20 Year	54 mils
PVC	2.00 (200 sf)	10 Year	30 mils (0.030")		3.0	20 Year	54 mils
EPDM	2.00 (200 sf)	10 Year	30 mils (0.030")		3.0	20 Year	54 mils
Smooth Asphaltic	1.50 (150 sf)	10 Year	30 mils (0.030")		3.0	20 Year	54 mils
Granulated Asphaltic	1.25 (125 sf)	10 Year	30 mils (0.030")		3.0	20 Year	54 mils

(2) Contact your Sales Representative for unlisted substrates.

(3) Application rates are based on theoretical material usage per substrate. All material take-offs are the responsibility of the contractor to ensure proper product coverage that meets the minimum thickness requirements in each and all areas of the roofing system. Theoretical coverage rates do not account for penetrations, curbs, parapets, or other features and details.

(4) Specification is not a promise of warranty. Labor and Material warranty projects must be pre-approved by Castagra at least 14 days prior to start.

(5) Estimate based on use of Soladur 800 or similar reflective acrylic with 50+% solids content by volume.

MIXING INSTRUCTIONS

- On a tarp or other protective surface, pre-mix part A thoroughly using a recommended low-speed, mud-mixing drill with egg-beater style mixer or double-auger mixer. **Mixing is the most important step to ensuring consistent quality.**
- Scrape the sides and bottom with a large stir stick to ensure all settled gypsum is thoroughly mixed in.
- Continue mixing part A until uniform in color and consistency, usually about 5 minutes in warm weather with fresh product. Pre-mixing can take significantly longer with settled product or in colder weather. 2-3 days' worth of part A's can be premixed to speed workflow.
- Add part B and mix thoroughly until uniform in color and no streaks remain, 3-5 minutes minimum.
- Pot life will be less than 40 minutes. Heat will significantly reduce pot life.

COLOR SHIFTING

Ecodur is made of natural ingredients and will have an inconsistent color. Ecodur's part B contains an optical isomer that will change color unevenly with exposure to heat, oxygen, and UV rays. Color shifting is a natural occurrence. For projects with aesthetic concerns, topcoats are required.



COLOR AT INSTALLATION

COLOR AFTER 30 DAYS

COLOR AFTER 1 YEAR