



Between the World
and The Weather
Since 1928

Advantages of Liquid Applied Ram-Tough 250 Flexible Membrane Over Preformed Rubberized Asphalt “Peel and Stick” Sheet Systems

1. Preformed Rubberized Asphalt (PRA) is very difficult to apply, especially in cold weather. It becomes stiff and less ‘sticky’ at 45°F causing adhesion problems. **Ram-Tough 250** can be applied to 0°F on a frost-free deck without any problems.
2. PRA is not as thick as **Ram-Tough 250** (40 to 70 mils vs. 215 mils) and that is significant in sealing new cracks in decks that form over the life of a structure as well as puncture resistance, withstanding construction abuse and general wear.
3. PRA is not monolithic and has an extensive network of seams and laps which require a high degree of workmanship to install properly. **Ram-Tough 250** is continuous and monolithic, no laps or seams, and much more forgiving of workmanship requirements.
4. Flashing can be difficult with PRA at curbs and intricate details; with **Ram-Tough 250** flashing is positive triple protection and simplified installation.
5. Since PRA is applied as a sheet it is not as effective as **Ram-Tough 250** on rough concrete due to localization bonding of the sheet to high spots of the concrete deck. Punctures may occur due to the loss of back-up support where the sheet spans low concrete spots and water migration below the membrane occurs.
6. PRA with polyethylene top surface traps moisture; moisture vapor not allowed to escape can cause delamination of the membrane from the deck.
7. Long-term storage of the PRA rolls often causes cold-flow distortion of sheet thickness, sometimes called “elephant foot”. The membrane gets thicker and heavier at the bottom of the roll and thinner at the upper portion of the roll.
8. **Ram-Tough 250** is applied by only approved applicators, unlike most PRA systems which are sold to “over the counter” to anyone.
9. PRA requires highly skilled application techniques. **Ram-Tough 250** is fast and easy, minimizing application error.

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