

**Advantages of Liquid Asphalt
ram-Tough 250 Flexible Membrane
Over
Performed Rubberized Asphalt
Sheet Systems**

1. PRA is difficult to apply especially in cold weather. It becomes more brittle and less 'sticky', at 45°F; ram-Tough 250 can be applied to 0°F on a frost-free deck.
2. PRA is not as thick as ram-Tough 250 (40 to 70 mils vs. 215 mils). This is very significant in sealing new cracks in decks that form over the life of a structure as well as increased puncture resistance and general wear.
3. PRA is not monolithic and has extensive laps; ram-Tough 250 is continuous and monolithic; no laps or seams.
4. Flashing is difficult with PRA at curbs and intricate details; with ram-Tough 250 flashing is positive and simplified.
5. Since PRA is applied as a sheet, it is not as effective as ram-Tough 250 on rough concrete due to localization or only partial bonding. Punctures may occur due to the loss of back-up support where the sheet spans low spots. Below membrane water migration occurs with PRA. It does not occur with ram-Tough 250.
6. The polyethylene sheet of PRA traps moisture, not allowing moisture vapor to escape. Delamination of the membrane from the deck generally occurs.
7. Long term storage of the PRA rolls in warm areas often causes distortion of sheet thickness or an "elephant foot" shape.
8. ram-Tough 250 is only applied by approved applicators, unlike most PRA systems, which sell product "over-the-counter".
9. With first touch, PRA is stuck to the surface it touches and requires highly skilled application techniques, it's like working with "flypaper". ram-Tough 250 is very forgiving and easy to install correctly, minimizing application error.