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# METHODOLOGY

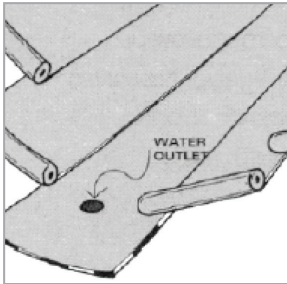
## Six golden rules for application of torch-on membranes

how to with a.b.e.®

### THE SIX GOLDEN RULES FOR CORRECT APPLICATION OF POLYMER-BITUMEN MEMBRANES

#### 1. Arrangements of the sheets

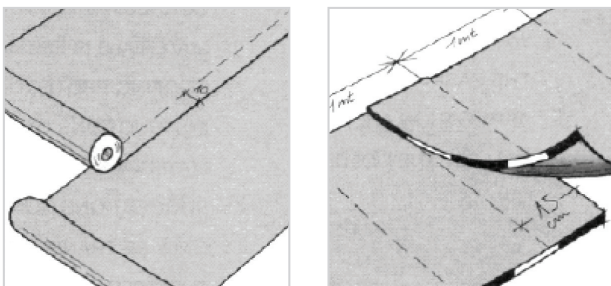
The sheets should be laid overlapping each other starting from water outlets or roof valleys.



#### 2. Side-to-side and head-to-tail overlaps

- Side-to-side: these create the joint lengthwise between two sheets. The sheets should be carefully bonded until a bead of compound about 10 mm is squeezed out of the joint along the overlap line. Side-to-side overlaps (side lap) should not be less than 100 mm wide.
- Head-to-tail: these create the joints along the shorter sides of the sheets. They too must be treated with care. The membrane should be heated enough for a bead of compound about 10 mm wide to be squeezed out. The overlapped section (end lap) should not be less than 150 mm wide.

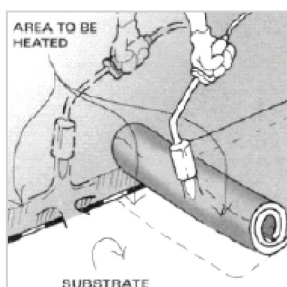
When reinforced sheets are laid semi-bonded with "non-woven" polyester near to the head-to-tail overlaps, the sheet should be bonded completely to the laying surface to at least 1 m.



#### 3. Fully bonded application

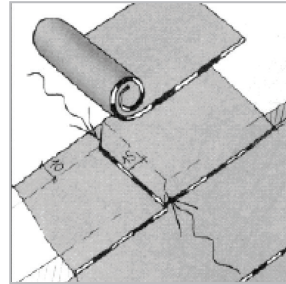
Both the membrane and the substrate should be heated with emphasis on the roll.

The membrane sheet already laid should also receive a direct flame.



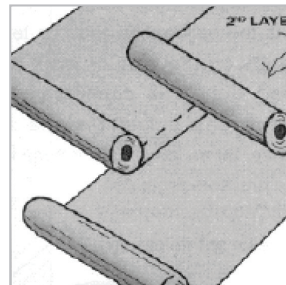
#### 4. 45° Cut on the head-to-tail overlap

Head-to-tail overlaps should also have a 45°, 100 mm wide section removed from the edge of the sheet in contact with the laying surface.



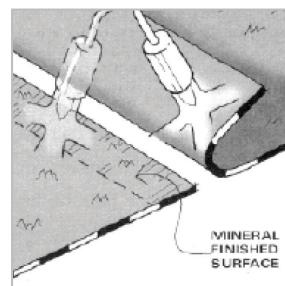
#### 5. Double layer covering

If a second layer is to be applied, it should be placed on top of the first layer overlaps and must be completely flame-bonded.



#### 6. Head-to-tail overlaps of mineral finished membranes

The bonded areas on side-to-side are free from Mineral but for the head-to-tail Mineral Finish overlaps, the underlying membrane needs to be heated to draw the compound to the surface. This is done by persistent heating and will give perfect bonding of the two edges when the compound on the upper sheets has also been heated.



#### IMPORTANT NOTE

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