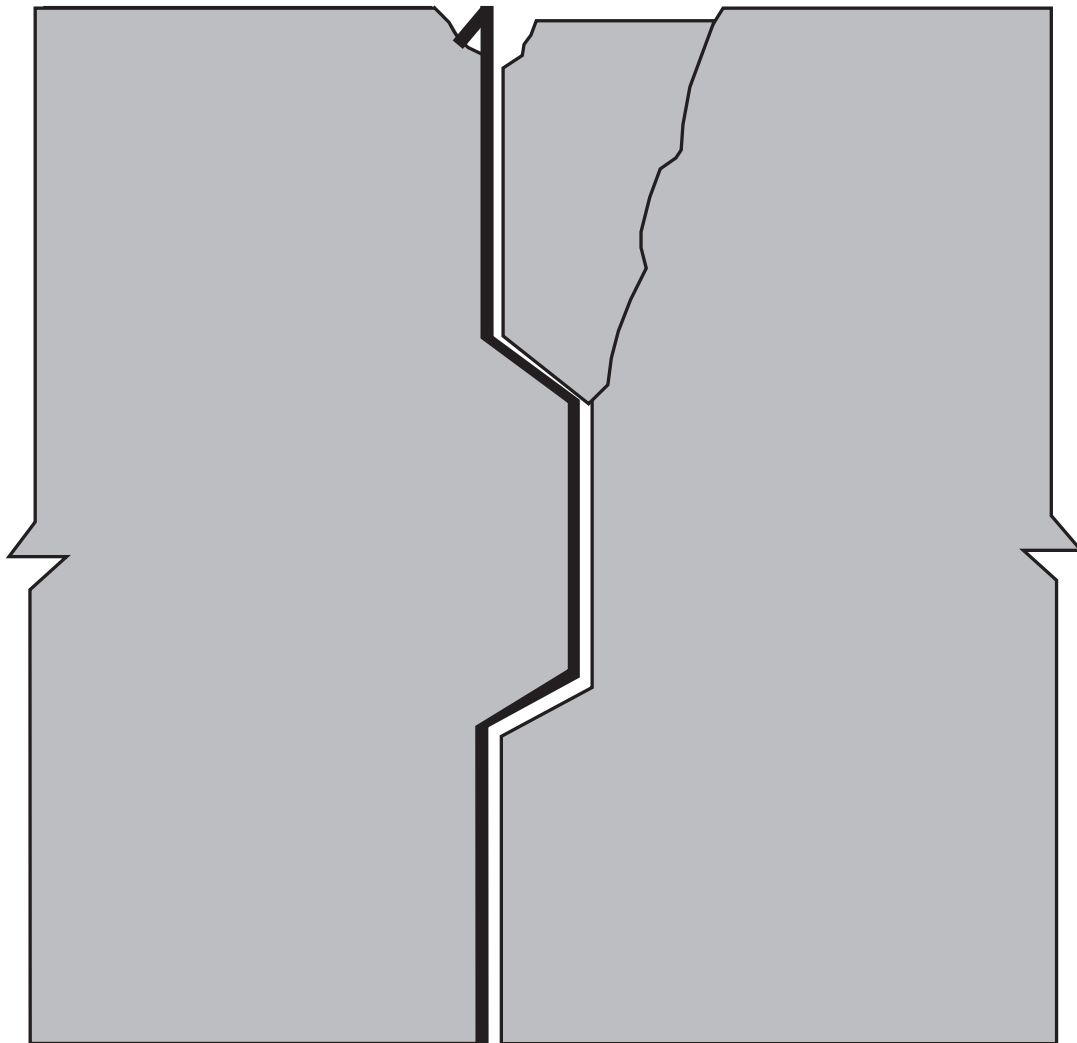
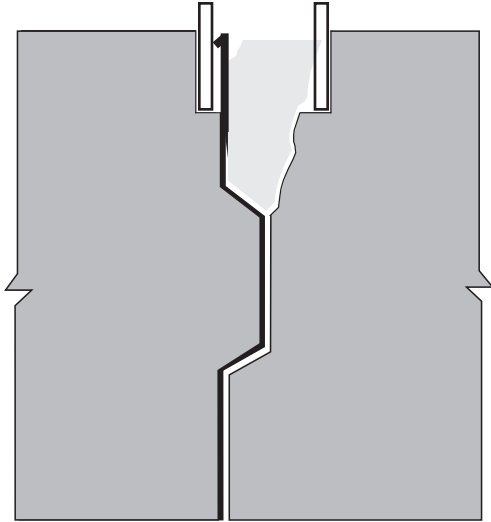


# Metal Keyway Joint Repair

## Existing Condition



# Step 1 - Remove Unsound Concrete

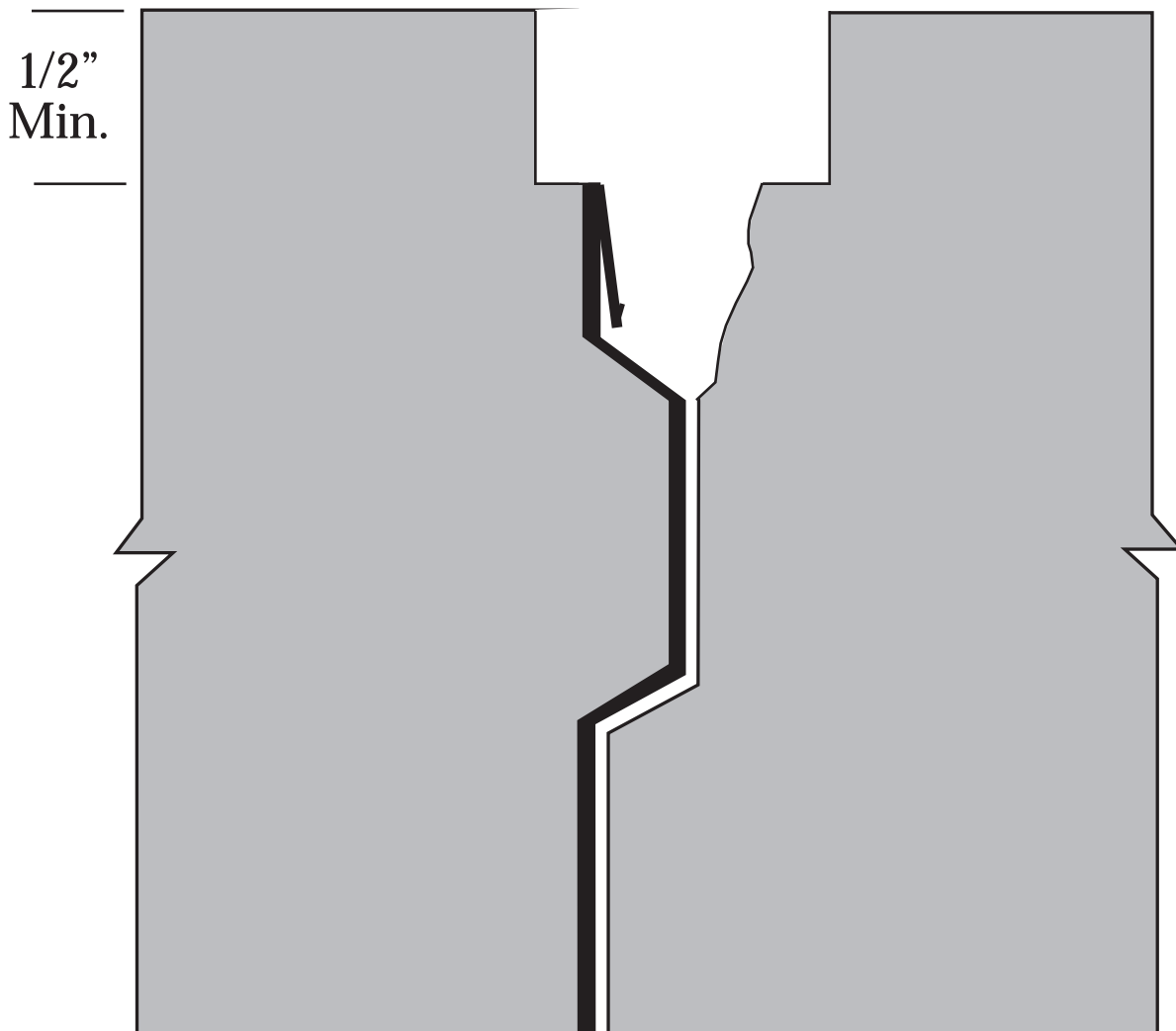


1. Remove spalled areas by saw cutting (1/2" min") behind spalled edges and chipping out remaining island.

2. Cut off metal/plastic key. If key cannot be cut, bend down flat against existing, bonded key.

3. Remove top of female key (if any remains) and vacuum out new channel.

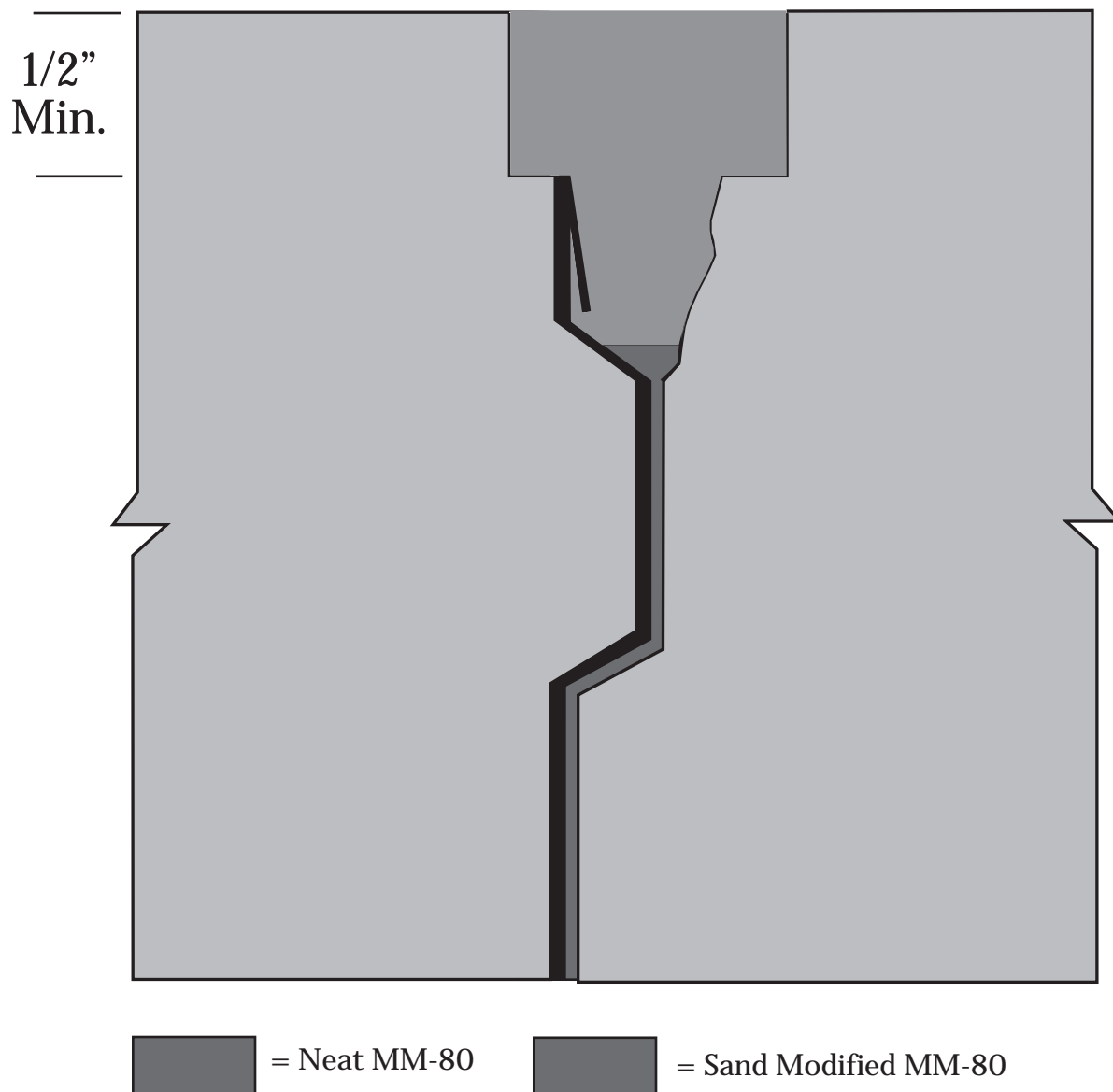
## Finished Repair Preparation



1/2"  
Min.

# Step 2 - Fill Repair Area - Option #1

1. Fill bottom of channel with neat MM-80, allowing material to seep down into the gap between the keys. Continue to fill until material level remains static at channel base.
2. Fill remaining open part of channel with silica sand modified MM-80 (2-3 parts sand to 1 part MM-80). Slightly overfill channel and allow to cure for 24 hours.
3. Grind off any filler extending above slab surface until flush with both slab panels.



# Step 2 - Fill Repair Area - Option #2

1. Fill bottom of channel with neat MM-80, allowing material to seep down into the gap between the keys. Continue to fill until material level remains static at channel base.
2. Place divider strip into gelled MM-80 near center of joint. Use braces or tape to ensure strip stays plumb to joint base. Allow MM-80 to cure (6-8 hrs).
3. Fill channel on both sides with Armor Hard structural epoxy repair. Allow mortar to cure, then grind flush with surface.
4. If rigid divider strip was used, repair is done. If temporary strip was used (i.e. cardboard), saw cut out strip and fill newly created joint with MM-80 or Spal-Pro 2000 (if access time is critical).

## Finished Repair Detail

