



17th August 2020

TECHNICAL

Update (TU-033)

Hebel PowerPanel^{XL} & PowerPanel⁵⁰ External Walls Slab Edge Detail

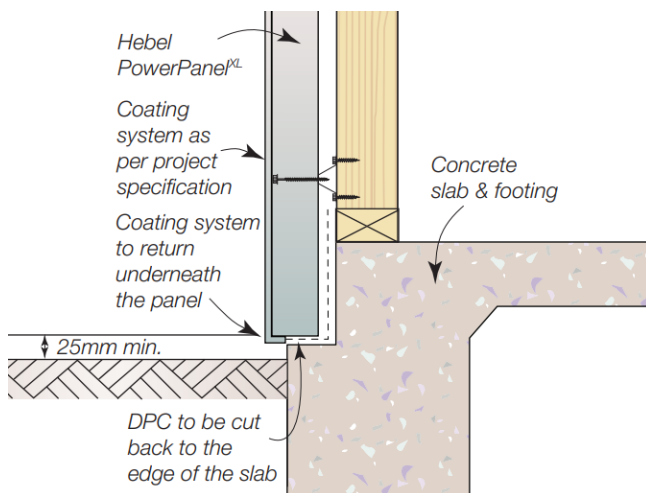
BACKGROUND

A typical installation method at the base of the Hebel External Wall Cladding System - along the slab edge - has been to install panels with an overhang and retain a minimum clearance of 25mm from the underside of the panel to the adjacent finished ground level (FGL). In such panel installation applications and considering minimal exposure of the slab edge to inspect for the presence of termites, alternative termite management systems need to be considered and installed.

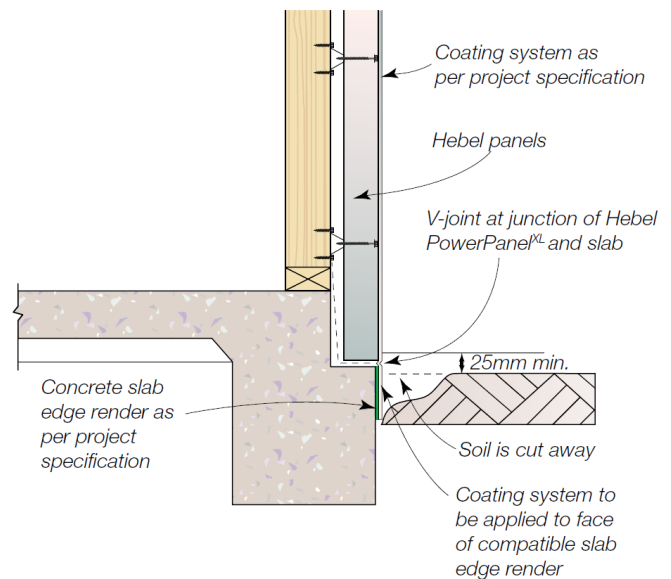
As such, the purpose of this Technical Update is to provide a clear procedure on how to treat the base of the panel and/or slab edge and achieve the minimum 25mm distance from the underside of the Hebel panel to the adjacent finished ground level (FGL), and, how to finish the base of the wall when using the installation detail.

Three scenarios are considered:

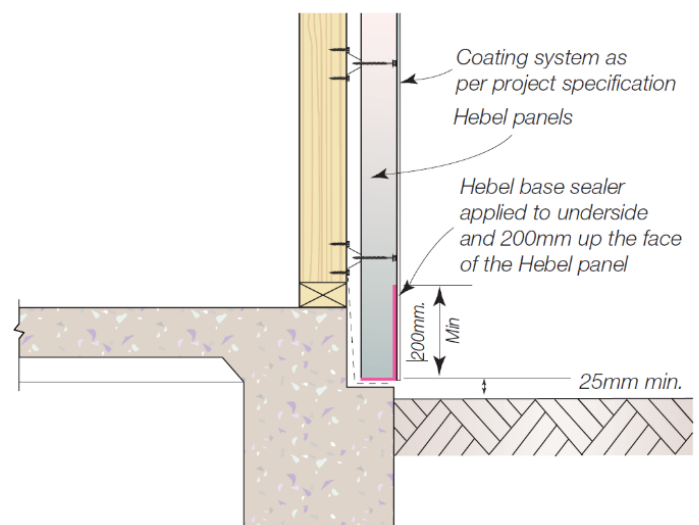
1. The edge of the slab IS NOT rendered, and render is applied continuously to the underside of the overhanging section of the panel.



2. The edge of the slab IS rendered and a v-joint is cut into the render at the junction between the base of the panel and the slab.



3. The edge of the slab IS NOT rendered, and Hebel sealer is applied to the base and 200mm up the external face of the panel.



FOR MORE INFORMATION

Contact the Technical Services Team



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THE PROCEDURE FOR FINISHING HEBEL PANELS WITH A MINIMUM 25mm CLEARANCE FROM BASE OF PANEL TO THE ADJACENT FGL

1. The soil should be removed against the slab for a minimum distance of 200mm from the base of panel to allow rendering of the slab edge for scenario 2, or, treatment of the base of the overhanging section of panel beyond the slab edge for scenario 1 (for the latter, the base of the overhanging section of panel should be treated with the final paint coat as described in step 6 where the slab edge is not treated with render). *Note: The distance from the underside of the Hebel panel to soil level may be higher than 25mm during construction.*
2. Once soil is removed, and where using scenario 2, the slab edge should be cleaned from loose debris and then packed out with render to a level of maximum 200mm below the base of the panel to be flush with the face of the Hebel panels using a **suitable render compound**. Ensure the render is applied as per the coating manufacturer's specification. The render should be allowed to dry.
3. Apply base coat render to the full Hebel wall continuing down over the slab edge (for scenario 2) to a maximum of 200mm distance down under the Hebel panel / slab junction. The base coat render should be allowed to dry.
4. Apply texture coat to the full wall continuing down over the slab edge (for scenario 2) to a maximum of 200mm distance down under the Hebel panel / slab junction.
5. For scenario 2, cut a v-joint in the render at the junction of the Hebel panel and slab.

6. Apply a final paint coat as per project specification, to the wall down over the v-joint and on to the slab edge for a distance of maximum 200mm below the slab edge. Alternatively, where the slab edge is not rendered as described in step 1, apply the final paint coat to the underside of the overhanging section of panel, for scenario 1). The coating should be allowed to dry.
7. Once the above steps are completed, the slab is ready to be backfilled (with back fill to be not less than 25mm from bottom of panel) and finished as per project specifications.
8. For scenario 3, external coating is not required to be applied continuously to the underside of the overhanging section of the panel and is only applied at the face of the Hebel panel as per the coating manufacturers specification.

NOTES (applicable to scenarios 1, 2 & 3):

1. Hebel panels must be supported at the base on the concrete slab edge rebate.
2. Ensure any specific maintenance requirements from the coating manufacturer are adhered to.
3. The substrate preparation and coating application should be in accordance with the coating manufacturer's specifications and recommendations.

FOR MORE INFORMATION

Contact the Technical Services Team