



October 27, 2010

Re: PVC Sanded Manhole Collars

To whom it may concern:

This letter is intended to offer explanation for Specified Fittings' use of PVC dust and granules as exterior grit on our sanded manhole adapters. While we have, in the past, produced these fittings using sand as exterior grit for grout adherence, we have found the PVC granules to be superior in several ways. We have been fabricating these fittings with the granulated PVC for five years now without any significant problem caused by the exterior grit type.

Grit is applied to the exterior of these fittings to aid in grout adhesion when installing in a concrete manhole knock-out. This is achieved by providing a rough surface with an increased and irregular surface area. Because the granulated PVC varies in size and shape, from fine dust to approximately 1/8" particles, they offer higher surface area as well as increased surface variation when compared to the relatively uniform size and shape of sand.

The adhesive used to apply exterior grit has also been found to be more effective securing granulated PVC than sand to the fitting. PVC solvent-cement is designed to chemically weld PVC to PVC creating a permanent weld. While PVC cement also partially acts as an adhesive, its adhesion of sand to PVC is not as hardwearing. During storage, shipment and installation, PVC granules have proven to hold fast better than sand.

Please contact me with any questions or if you would like to discuss further.

Sincerely,
Brad Sukolsky
Specified Fittings