

This installation guide sets out working procedures for the fitting of access covers/ grating as defined under BS EN124 and HA104/09 Standard – Specification.

Operatives should be trained by an appropriate training body in the techniques necessary to achieve the standard required by a performance specification. Mechanical mixing of bedding materials is preferred although manual mixing is permitted. In the case of cementitious materials being used the manufacturer's recommended water content must be used.

If any doubt exists the respective manufacture should be contacted for clarification.

It's the responsibility of the operatives to ensure the supporting structure is of adequate strength and condition to support the cover/grating and frame and the loading.

1. NEW WORKS INSTALLATIONS

- a) The supporting structure clear opening must be the same size as the cover/grating clear opening. Site conditions may dictate the need to ensure the surface and surrounding area of the supporting structure is clean and free from any debris before installation commences. (see fig.1)
- b) The bedding material must be placed on the supporting structure immediately after mixing, It should be placed at a depth approximately 5mm greater than the required bedding thickness and spread across the full width of the supporting structure. Any trowel marks should be filled and the surface floated to an approximately even finish. (see fig.2)
- c) Once the bedding mix has been applied the frame of the cover/grating should be lowered onto the bedding as soon as possible, the frame must be placed on the bedding so that all webs of the frame are fully supported by the frame supporting structure. There must be no voids in the bedding beneath the frame. The frame must be carefully tamped down to the required level. (see fig.3)
- d) Any holes within the frame must be infilled bedding material and the flanges of the frame enveloped by a minimum thickness of 10mm of the same material. A greater thickness may be applied provided that sufficient depth is left available for placement of any surface layers. (see fig.4)
- e) The cover/grating should be placed in the frame by a mechanical device, or lifting keys. No surround material must be placed in contact with the frame until the bedding has achieved sufficient tensile and compressive strength. (see fig. 5)

fig.1

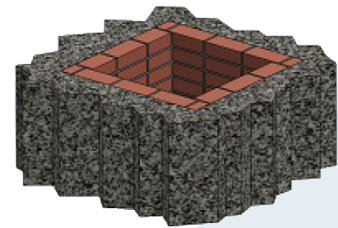


fig.2

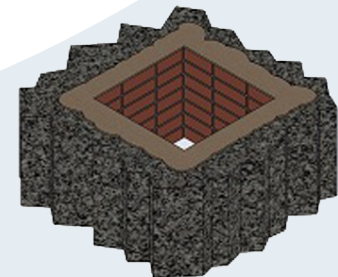


fig.3

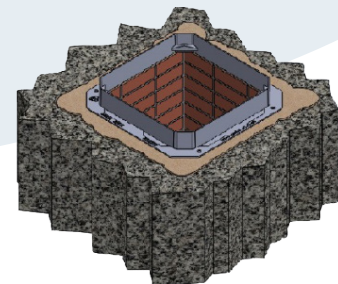


fig.4

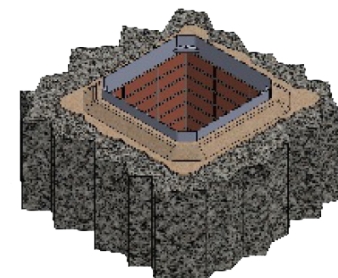


fig.5

