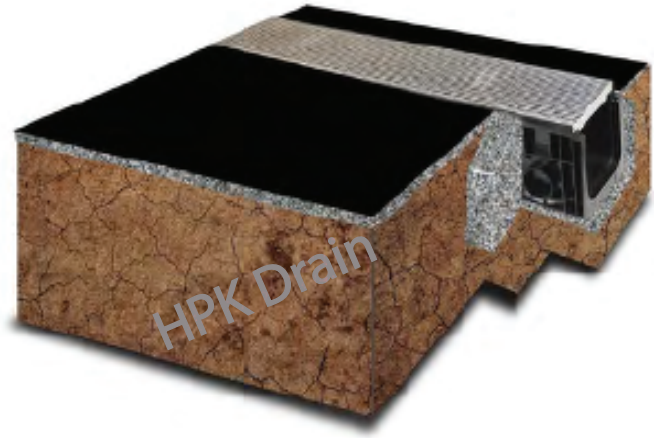
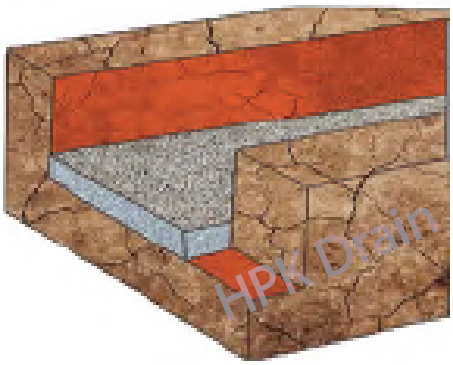
INSTALLATION & ASSEMBLY OF CHANNELS



HPK drainage systems require the strengthening of concrete to support loads of vertical and horizontal thrust. In creating a concrete haunch to lock the channel, it enables it to meet the required load rating as specified in AS4058 - 2006.

1: Excavation Design: the size of the trench will need to take into account the dimension and rating of the channel in determining the depth and width of the trench (See Table). The trench should be excavated from the lowest point of discharge to the highest point. The base should be compacted well particularly if the ground is soft.

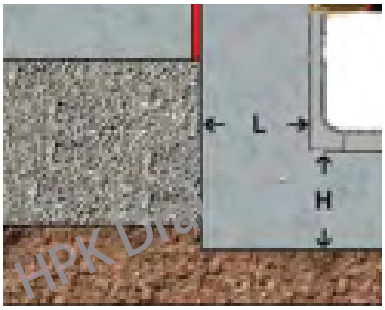


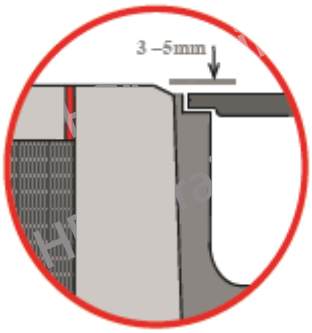
2: Concrete Base: lay the concrete base to the recommended thickness as specified in table 2.10 using a minimum strength of 20 MPA. Allow enough gradient in the base for water drainage.

3: Channel Installation: assemble the channels including fixing the grates to the channels and position inside the trench starting from the lowest point of discharge ensuring that each channel unit is locked securely together and aligned. Place concrete along the sides of the channel making sure that it worked into the ribbing along the base as well as sides paying particular attention to the grate support edge.

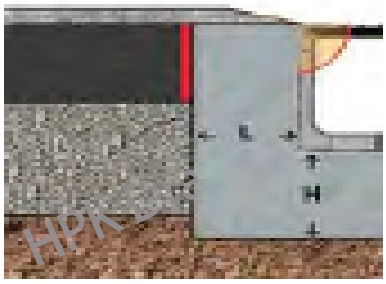
INSTALLATION & ASSEMBLY OF CHANNELS

Concrete

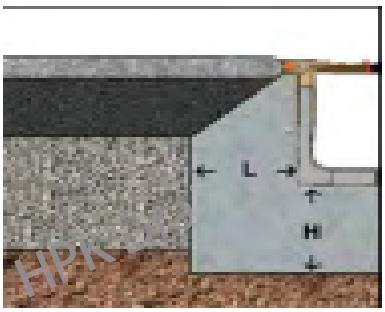




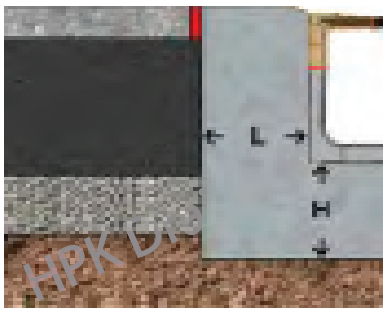
Draining Asphast

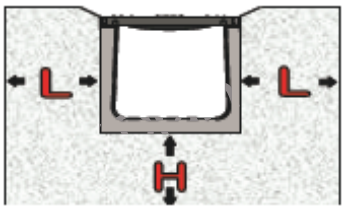


Asphalt - Load up to Class C



Asphalt - Loads from Class D





Dimensions of Concrete Support

DIMENSIONS							
Load Class		Class A	Class B	Class C	Class D	Class E	Class F
Concrete bed size	H	100mm	100mm	150mm	150mm	200mm	200mm
Concrete lateral backfill size	L	100mm	100mm	150mm	150mm	200mm	200mm

Note: We highly recommend vibrating and compacting of the concrete. Engineering advice is advised

آدرس دفتر: تهران خیابان آزادی روبروی ایستگاه مترو حبیب الله خیابان شهیدان برج زیتون

Email: info@hpk-co.com www.hpk-co.com تلفن ۶۶۰۷۴۲۶۱ ۶۶۰۷۴۲۵۸