

CHEM BITUSEAL HP

HOT POUR SEALANT FOR ROADS, BRIDGES & BUILDINGS

DESCRIPTION:

The Rubber based Bitumen Sealant which is made with selected Bitumen and Rubberized is best due to the reason that if heated many times it will come back to same flexibility and adhesion on cooling.

SPECIFICATION:

Chem Bituseal HP Complies with ASTM-D3405, D3406, D3407/78 or ASTM - C920/98.

COLOR: Black.

USES: Because of its ability to extend and recover many times without losing bond and their resistance to heat and water they are extensively used to provide fully water-tight seals in horizontal joints subjected to high degree of movements and traffic. Chem Bituseal HP is recommended for horizontal joints like in road cracks, asphalt and concrete joints flexible surface joint, concrete, steel, pavement, roofs, ship decks, between pre-cast concrete panels, dams, reservoirs, culverts, water treatment plants, high rise buildings, bridges, curtain walls, around service pipes and sewerage.

SURFACE PREPARATION:

The joint faces where adhesion is critical must be dry, free from dirt, dust, cement laitance and any loose materials for the correct performance of the sealant. The joints should be thoroughly cleaned with wire brushing and then blown clean with compressed air. Apply Concrete Joint Primer with ordinary brush on the joint faces at least 2 to 4 hours before pouring in hot sealant.

APPLICATION GUIDELINE:

Heat the container 140° C to 160° C until the entire compound becomes liquid. Pour the sealant between the prepared joints slightly above the joint. Apply primer coat of Concrete Joint Primer before pouring in hot material.

PRIMING:

Under normal conditions if dust and dirt is not there it can be poured directly into the joints. If it is an old joint or some material was previously used or if good adhesion is required then apply with brush Concrete Joint Primer at least 2 to 4 hours before pouring in hot joint sealer.

MOVEMENT ACCOMMODATION:

Chem Bituseal HP will provide satisfactory seals in joints subject to regular movements or permanent deformation within 33% to 50% of the original joint width. For horizontal joints, movement accommodation be designed to minimum of 12 and to maximum of 25 mm.

MAINTAINING CORRECT JOINT WIDTH:

Compressed fiber filler boards impregnated in bitumen or cork sheet boards or poly propylene rods or thermopore sheets be inserted inside the expansion joint up to the required depth and bond breaking paper tape should be inserted on top of boards to prevent the sealant to adhere with the filler board. This will ensure flexibility of the sealant.

STORAGE & SHELF LIFE:

Chem Bituseal HP Sealant can be stored anywhere and it has very long storage life. The only need is to heat it at specified temperature before use.

PACKING:

20 Kg packing is available. It is required to remove the material from the container and heat it in some open pan slowly and steadily.

CHEMICAL RESISTANCE:

The Sealant has excellent resistance to oils, most of the chemical, water, emulsions etc. Petroleum based oils if standing or retaining for longer periods will effect its qualities. However, dripping for short periods are ineffective.

GUIDE TO QUANTITIES:

Joint Size mm	Liters per meter run	Meter run per liter
10 x 10	0.10	10.00
13 x 13	0.17	5.92
15 x 15	0.22	4.44
20 x 15	0.30	3.33
20 x 20	0.40	2.50
25 x 20	0.50	2.00
25 x 25	0.62	1.60
30 x 25	0.75	1.33
30 x 30	0.90	1.11