



Brewer 3405

Hot Applied Crack and Joint Sealant

Description:

Brewer 3405 is a hot applied, single component, premium quality product used to seal cracks and joints in asphalt or concrete pavements. Formulated with asphalt resins, polymers, plasticizers and a select blend of reinforcing fillers, Brewer 3405 forms a durable, flexible seal which protects pavement structure by preventing water intrusion into the underlying base. Brewer 3405 has excellent bonding properties to both asphalt and concrete surfaces, resists tracking in warm temperatures and exhibits superior resilience and ductility through repeated freeze thaw cycles.

Melting and Application:

Cracks and joints must be free of moisture, dirt, dust and other contaminants. Sawing or routing of cracks is recommended to produce vertical surfaces free of contamination and loosely bonded aggregate particles. Final cleaning should be made with dry, oil free compressed air. Pavement and ambient temperatures should be above 40° F.

Equipment used for melting Brewer 3405 must be oil jacketed with mechanical agitation and separate temperature controls for both the material and heat transfer oil. Direct fired or air heated machines must not be used. Material must be slowly added to the melter with the agitator off to avoid splashing. Fresh material may be added as the quantity in the melter decreases. Brewer 3405 should be agitated while being melted and applied. Recommended application temperature is 370 to 390° F. Heat transfer oil should not exceed 525° F and material temperature should not exceed 410° F. Brewer 3405 may be reheated to application temperature once, after initial heat up. All material melted should be used in the same day. The melter and lines should be purged of all material at the end of each day.

Application can be made with pressure feed wand systems or gravity feed pour pots. Brewer 3405 should be installed flush to the pavement surface or with a surface overband not exceeding 1/8 inch in thickness on the pavement surface or extending more than 2 inches beyond each crack edge.

Brewer 3405 Typical Properties:

Property (ASTM D6690, Type II)	Typical
Cone Penetration	90 Max.
Flow at 140° F, mm	3 Max.
Resilience	60% Min.
Bond, -20° F (-29° C), 50 % Ext.	Pass 3 Cycles
Asphalt Compatibility	Compatible
Recommended Pour Temperature	380° F
Maximum Heating Temperature	410° F

Key Advantages

- Flexible to -20° F
- Superior adhesion
- Self leveling
- Rapid set up

Specification Conformance:

Brewer 3405 meets all requirements of ASTM D6690, Type II (formerly ASTM D3405) and AASHTO M301. It also exceeds requirements of ASTM D6690, Type I (formerly ASTM D1190), AASHTO M173 and Federal Specification SS-S-164.

Coverage:

Width	Depth	Pounds per 100 Lineal Feet
3/8	3/8	6.9
3/8	1/2	9.2
1/2	1/2	12.2
1/2	3/4	18.3
3/4	3/4	27.5
3/4	1	36.6
1	1	48.8

Precautions:

Skin contact with hot material causes burns. Over exposure to fumes may cause respiratory tract irritation, nausea or headaches. Avoid contact with hot material, wear splash resistant goggles, protective gloves and clothing and avoid inhalation of fumes. In case of skin or eye contact, immediately flush the area with cool, clean water. Consult Material Safety Data Sheet for more information on safety and handling.

- Keep out of reach of children
- For exterior use only
- Do not agitate while adding sealant
- Hot sealant can cause burns
- Use only in well ventilated areas
- Keep away from open flame

Packaging:

Single compartment, 35 pound box, 72 boxes (2,520 lbs.) per pallet

Limited Warranty:

The Brewer Company warrants this product to be of merchantable quality when stored, used, and applied in accordance with the specifications and instructions herein. This Limited Warranty represents the sole and exclusive warranty. The Brewer Company's liability under this Limited Warranty is limited to replacement of the product proven defective, or at its option, refund of the purchase price.