

## Coal Tar Roofing and Waterproofing Pitch

### Canned Pitch CP-0450

### Bulk Pitch BP-4050

#### Description

Durapax Coal Tar Roofing and Waterproofing Pitches are derived from base tars extracted from bituminous coal during the coking process. A variety of feedstocks are then blended and distilled to achieve the proper specification, physical properties and performance characteristics. The thermal treatment during the coking and distillation process produces a material with a unique chemistry.

This chemistry yields properties that are ideal for applications in built-up roofing and waterproofing systems. Roofing bitumens made with a coal tar base are the premium products of choice. Coal tar's tight aromatic molecular structure produces inherent characteristics which provide coal tar pitch with a natural resistance to the severe effects of temperature, moisture, ponding water, and corrosive elements found in many environments. Coal Tar Pitch has been used for over 140 years on flat and low slope roofs as well as in below-grade waterproofing applications.

#### Product Selection

- Durapax Coal Tar Roofing Pitch is manufactured to meet the requirements of ASTM D-450 Type I.
- Durapax Waterproofing Pitch is manufactured to meet the requirements of ASTM D-450 Type II. Waterproofing Pitch is specifically recommended for below grade waterproofing applications.

#### Features

- Natural resistance to temperature changes, ponding water, moisture vapor transmission and most corrosive environments.
- Extremely slow to age, coal tar pitch maintains its like new characteristics for many years.
- Coal tar's natural self-healing, cold flow characteristics protect the membrane structure by self-sealing small fractures or fissures which could allow moisture to enter the system.

#### Typical Properties

Durapax roofing (Type I) and waterproofing (Type II) pitches are manufactured to meet the following ASTM D-450 specifications. Material certifications are available upon request at the time of order placement.

Property	Type I	Type II
Water, max. %	0	0
Specific gravity, 25/25°C	1.22 to 1.34	1.22 to 1.34
Softening point (ring-and-ball), °C	52 to 60	41 to 52
°F	126 to 140	106 to 126
Flash point, Cleveland open cup, min. °C	190	175
min. °F	374	347
Total pitch soluble in carbon disulfide, %	72 to 85	72 to 85
Ash, max. %	0.5	0.5
Total Distillate: 0 to 300°C (32 to 572°F), max. %	10	10
0 to 315°C (32 to 599°F), max. %	–	–
0 to 360°C (32 to 680°F), max. %	–	–
Specific gravity of distillate from 0 to 300°C (32 to 572°F), min. 38/15.5°C	1.03	1.03
Softening point (ring-and-ball) of residue from distillation to 300°C (572°F), max. °C	80	80
max. °F	176	176

#### Benefits

- In use for over 140 years, coal tar pitch provides the time proven performance required for a premium roofing system.
- Coal tar's natural resistance to the elements along with its self-sealing properties allow the membrane system to require only minimal maintenance throughout its service life.
- Proven performance, and lower life cycle costing make Durapax Coal Tar Roofing Pitch the cost effective choice of quality conscious specifiers.

## Heating and Application Temperature Guidelines

Product	Maximum Kettle or Heating Temperature °F	Point of Application (EVT) °F
Coal Tar Pitch ASTM Type I, II	400	360±25

### Application Procedures

Durapax pitches may be heated in conventional roofing equipment, kettles or bulk tankers.

During cold weather applications, insulated transfer equipment should be utilized to assure proper point of application temperature without the need for overheating in the kettle or tanker. Every effort should be made to keep application rates at the recommended amounts. Insufficient material can affect the long term performance of the membrane system and conversely, excessive quantities can result in possible roof slippage.

### Product Safety Information

Coal tar roofing and waterproofing pitches have been used safely for many years. It is important however to recognize that coal tar pitches may irritate the eyes, skin, nose and throat. Ingestion may be harmful. Prolonged and repeated skin exposure over many years in the absence of recommended hygiene practices, may lead to changes in skin pigmentation, and in some cases cancer. Anyone responsible for the procurement, use, or disposal of this product should familiarize themselves and those handling the product with the appropriate safety and handling precautions involved.

As with many commercial products, certain health precautions (i.e. skin irritation or respiratory irritation) and safe handling (i.e. fire prevention) must be observed. Please read the Material Safety Data Sheets associated with this product before handling or use.

For specific information contact your Durapax representative for an up-to-date Material Safety Data Sheet on this product or contact Durapax LLC Commercial Roofing Systems at 610-579-9075. In case of emergency, information can be obtained by calling the Durapax Chemtrec 24 hour emergency number, 800-424-9300.

### Note

All statements, information and data given herein are believed to be accurate and reliable but are presented without guaranty, warranty or responsibility of any kind, expressed or implied, except as may be indicated in the warranty section of this brochure.

Statements or suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should not assume that all safety measures are indicated or that other measures may not be required.