



## HTR-4

### TECHNICAL DATA SHEET

#### PRODUCT DESCRIPTION

BATES® HTR-4 is a “heavy duty,” water-based resin emulsion that dries to a semi-firm, heat-resistant coating that can be used to repel glue in hot gluing applications up to 350°F/176.7°C.

BATES® HTR-4 provides temporary, effective protection from unwanted build-up of highly active compounds such as adhesives, resins, and fiber glass. It forms a thin protective coating that allows for easy scraping and removal in accumulation areas.

Consistent use of BATES HTR-4 allows for dried glue to be easily scraped off and cleaned up, preventing the need for harsh cleaning methods that can damage equipment.

#### RECOMMENDED APPLICATIONS

- Applicator wheels & rolls
- Clamps & clamp carriers
- Hot gluing equipment
- Glue pans
- Heat press platens
- Joiners
- Planer tables
- Radio frequency glue systems
- Saw tables
- Set-up tables
- Slat conveyors
- Spray booths
- Spreaders

#### FEATURES

- Temporary barrier coating for hot gluing applications
- Dries to a thick, wax-like film
- Formulated to work with high temperature and high performance adhesives
- Prevents glues, adhesives and resins from adhering to machinery
- Allows for dried glue mess to be easily scraped off
- Reduces machinery down-time for cleaning
- Regular application prevents need for harsh cleaning methods
- Silicone-free
- Non-toxic
- Non-hazardous
- No solvents

#### TYPICAL PHYSICAL CHARACTERISTICS

Color	Viscous white liquid, dries clear
pH	8-9
lbs/gal	8.4
Specific Gravity	1.01
Viscosity	1,000 cps
Max Application Temp.	350°F/176.7°C
Odor	Nil
VOC Content	Nil

#### PACKAGING SIZES

5 Gallon Pail | 55 Gallon Drum

#### FREIGHT CLASS

55



## HTR-4

### APPLICATION INSTRUCTIONS

#### PREPARATION

- Surfaces must be clean and free of contamination. BATES® HTR-4 is not a glue remover and will only work when applied to clean equipment.
- Before initial application, clean equipment to remove any oily residue that would prevent HTR-4 from adhering to the surface.
- Any glue equipment surface, or equipment exposed to glue drippings, can be protected by HTR-4.

#### APPLICATION

##### HIGH FREQUENCY GLUERS AND HOT PRESSES

- Apply HTR-4 using a cloth, brush, sponge or spray bottle. Spread HTR-4 to create a thin uniform film on the surface. Wipe or brush out any puddles.
- HTR-4 can be applied to hot surfaces. Apply below 200°F/93.3°C for best film formation.
- Allow HTR-4 to dry completely before operation begins; overnight is best.
- HTR-4 can be used in hot gluing applications up to 350°F/176.7°C.

#### REMOVAL AND REAPPLICATION

- Accumulated compounds can be easily scraped off equipment using a straight-edged scraping tool.
- In high volume operations, HTR-4 should be reapplied once per day or at the end of each shift.
- In low volume operations, HTR-4 should be reapplied once per week.
- Cleaning solvents are not needed for the removal of accumulated glue if proper application and removal procedures are followed.

#### CLEANUP AND STORAGE

- Application equipment can be cleaned using hot soapy water.
- Securely cover container of HTR-4 to prevent evaporation and deterioration. Stirring may be necessary after long periods of storage.
- Store HTR-4 in a climate controlled area to prevent freezing. It should be stored at temperatures between 50°F/10°C and 90°F/32.2°C. If HTR-4 freezes, store at room temperature until thawed and stir contents thoroughly before using. DO NOT heat the container of BATES.

#### PRECAUTIONS

- BATES HTR-4 cures to a waxy, slippery film. DO NOT use on floors or walkways.
- Contains no toxic or hazardous materials
- Safety Precautions
  - Use vinyl gloves and eye protection.
  - Avoid breathing in spray. If inhaled, move to fresh air.
  - Avoid contact with eyes. If splashed into eyes, rinse with clean water for 15 minutes.
  - If skin irritation occurs, wash area with soap and water.
  - If accidentally ingested, immediately drink 2 glasses of water and contact a physician. Do not induce vomiting.

## U·C COATINGS

WOOD PROTECTION PRODUCTS

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