

**TECHNICAL DATA SHEET****TULSICRYL C-400 HV****PRODUCT SPECIFICATIONS:**

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|-------------------------|---|
| Chemical Name           | : <b>STYRENE-ACRYLATE COPOLYMER</b>           |
| Appearance              | : Milky white pourable liquid                 |
| Emulsifying System      | : Synthetic anionic                           |
| Solvent                 | : Water                                       |
| Solid content, weight % | : 55 ± 1%                                     |
| pH                      | : 8.0 - 10 at 30°C                            |
| Brookfield viscosity    | : RVT 10 – 25 Poise, SP#4, 20 RPM @ 30°C      |
| Free Monomer            | : < 0.3 Max                                   |
| MFFT (°C)               | : 10 ± 1°C                                    |
| Compatibility           | : Cement, dolomite, silica flour, fine sand   |
| Film                    | : Clear & transparent                         |
| Plasticizer             | : Free from plasticizer                       |
| Mechanical stability    | : Good  |
| Miscibility             | : Miscible with nonionic and anionic emulsion |
| Density                 | : 1.02 ± 0.02 gm/ml                           |

**FILM PROPERTIES:**

- |               |                          |                               |             |
|---------------|--------------------------|-------------------------------|-------------|
| • Appearance  | : Clear to slightly hazy | • Workability                 | : Excellent |
| • Surface     | : Hard Film              | • Flexural strength           | : Good      |
| • Adhesion    | : High                   | • Compressive strength        | : Good      |
| • Flexibility | : Good                   | • Water and alkali resistance | : Good      |

**APPLICATION:** Tulsicryl C-400 HV is a high viscous emulsion used to produce cementitious coatings and binders for cement mortars to increase the properties of the coating. Repairs or waterproofing of terraces, and rooftops and modifying cementation composition to improve compact flexural and adhesive strength. It enhances the compressive strength and makes the coating less prone to crack.

**PROCESSING:** The Coatings are made in the normal way as cement coatings.

- The amount of the TULSICRYL C-400HV should be max. 20% of the weight of cement to be added to the coatings.
- After mixing TULSICRYL C-400 HV with the cement the pot life of the mixture is about 1-2 hr only. Before that, this has to be used.
- A suitable defoamer in the required quantity is to be added to take care of foam during processing.
- Biocides need to be included in the formulation to guard against microorganism growth.

**SAFETY:** General safety precautions such as goggles, gloves, and face shields should be used while handling. MSDS is provided for detailed information.

**INDUSTRIAL HYGIENE:** TULSICRYL C-400HV is not harmful for the purpose for which it is intended and processed. It may irritate skin and mucous membranes during prolonged contact.

**LABELING:** TULSICRYL C-400HV is non-hazardous and doesn't contain substances that have implications for labeling under regulations.

**STORAGE:** TULSICRYL C-400HV has a shelf life of 6 months from the date of manufacture, provided it is stored under shade, away from direct heat and sunlight and well protected from freezing.

**PACKING:** Flexi tanks, 240/250 kg HDPE Drums.

**Disclaimer:** Note: The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other company's raw materials are also being used. The recommendations do not absolve the user from the obligation of investigation of the possibility of infringement of third parties rights and, if necessary, clarifying the positions.

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