Harisol Liquid Dyes

FURNISH:
1. White pulp
2. 100%Mixed waste

PH - In tap water 7.0 - 7.5 (Addition of 0.5% Alum)

• if frozen, because they have been stored at a temperature below 0°C, they should be thayed ទាំបន់ការាជាតិ ក្រុម ប្រឹស្ធានមានក្រុម

APPLICATION RECOMMENDATIONS

anionic trash with cationic fixatives or aluminum sulphate. Cationic dyes are highly suitable for continuous application on account of their positive charge and associated more rapid uptake.

Backwater coloration Gray scale: 1 = marked coloration 5 = coloriess

the paper machine during sheet formation. However, the backwater is usually clear. High pigment build-up can increase colored two-sidedness in builk working.

Light fastness (Xenotest) is tested on sized papers at 0.2 RD in accordance with ISO 105-B02 (under normal conditions) and assessed against the blue scale, which is exposed to light at the same time.

Ratings:

- Water Coloration;
 1 Strong;
 2 Distinct.
 3 Moderate.
 4 Good.
 5 Uncolored.

CEILab Color Chart.

The CIELab Color Chart in the pattern card show how the dyes are colormetrically classified in the systems mentioned. The color co-ordinates depend on the shade depth.

- Liquid Dyes:

 Store in recording a referred by 812-22°C

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 Done follows open gets and substantian for solution propagation.

 Use plastic or startless steel testing for guiden propagation.

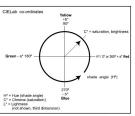
 Shelf life 12 cross of common in a constant with Copper in one 2 fact, during storegap handling, storage handling, storage handling.

 Done common different dyes.

 Dyes obtained by the properties at highest possible diution for the addition by the fairnits.

CIELab Color Chart.

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Harisol **Liquid Dyes**







| | BIPL | | | | | | BIPL | | | | | | | Ĺ | | | | | į | F | <u> </u> | | | | | | |
|-------------------------------------|---------------------------------|-----------------|-----------------------------|-------|----------|---------------|------------------------|---------------------------------|-----------------|-----------------------------|-------|---------|---------------|-------------------|---------------------------------|-----------------|-----------------------------|-------|--------|---------------|---------------------------|---------------------------------|-----------------|-----------------------------|-------|-------|----------|
| | Pi | Physical Data | | | ess Prop | erties | - | Physical Data | | Fastness Properties | | perties | | Physical Data | | | Fastness Properties | | erties | | Physical Data | | | Fastness Properties | | | |
| HARISOL LIQUIDS | Density ca.g/cm ² | PH undiluted | Viscosity 25°C mpa.s. | Light | Water | Back Water | HARISOL LIQUIDS | Density ca.g/cm ¹ | PH undiluted | Viscosity 25°C mpa.s. | Light | Water | Back Water | HARISOL LIQUIDS | Density ca.g/cm ² | PH undiluted | Viscosity 25°C mpa.s. | Light | Water | Back Water | HARISOL LIQUIDS | Density ca.g/cm ³ | PH undiluted | Viscosity 25°C mpa.s. | Light | Water | Ba Wa |
| White Pulp 100% Mixed Waste Pulp | | | | | | | HARISOL RED GTL | | | | | | | HARISOL BLUE B | | | | | | | HARISOL BLUE 6GX | | | | | | |
| | | | | | | | | 1.0 - 1.2 | 3.0 - 4.0 | <=100 | 1-2 | 3-4 | 3 - 4 | | 1.0 - 1.2 | 3.0 - 4.0 | <=100 | 1 - 2 | 3 - 4 | 3-4 | | 1.0 - 1.2 | 2.5 - 3.5 | <=100 | 1-2 | 3-4 | 3 |
| ARISOL YELLOW S | | | | | | | HARISOL BRILL. RED GRL | | | | | | \vdash | HARISOL BLUE GRL | | | | | | | HARISOL GREEN G | | | | | | t |
| | 1.0 - 1.2 | 2.5 - 3.5 | <=100 | 1 - 2 | 3-4 | 3 - 4 | | 1.0 - 1.2 | 2.5 - 3.5 | <=100 | 1-2 | 3-4 | 3-4 | | 1.0 - 1.2 | 2.5 - 3.5 | <=100 | 1-2 | 3-4 | 3-4 | | 1.0 - 1.2 | 2.5 - 3.5 | <=100 | 1-2 | 3-4 | 3 |
| ARISOL YELLOW G | | | | | | | HARISOL PINK B | | | | | | Т | HARISOL VIOLET RL | | | | | | | HARISOL GREEN MY | | | | | | T |
| | 1.0 - 1.2 | 2.5 - 3.5 | <=100 | 1 - 2 | 3-4 | 3-4 | | 1.0 - 1.2 | 3.0 - 4.0 | <=100 | 1-2 | 3-4 | 3 - 4 | | 1.0 - 1.2 | 2.5 - 3.5 | <=100 | 1-2 | 3-0 | 3-4 | | 1.0 - 1.2 | 2.5 - 3.5 | <=100 | 1-2 | 3-4 | 3 |
| RISOL BROWN G | | | | | | | HARISOL BRILL. RED 4G | | | | | | | HARISOL VIOLET BC | | | | | | | HARISOL BLACK CMS 5.0% | | | | | | t |
| | 1.0 - 1.2 | 2.5 - 3.5 | <=100 | 1 - 2 | 3-4 | 3-4 | | 1.0 - 1.2 | 3.0 - 4.0 | <=100 | 1-2 | 3-4 | 3 - 4 | | 1.0 - 1.2 | 2.5 - 3.5 | <=100 | 1-2 | 3-0 | 3-4 | | 1.0 - 1.2 | 2.5 - 3.5 | <=100 | 1-2 | 3-0 | 3 |
| ARISOL ORANGE HR | | | | | | | HARISOL RED 2BL | | | | | | | HARISOL VIOLET EH | | | | | | _ | HARISOL BLACK VMS 5.0% | | | | | | t |
| | 1.0 - 1.2 | 2.5 - 3.5 | <=100 | 1 - 2 | 3 - 4 | 3 - 4 | | 1.0 - 1.2 | 3.0 - 4.0 | <=100 | 1-2 | 3-4 | 3 - 4 | | 1.0 - 1.2 | 2.5 - 3.5 | <=100 | 1-2 | 3 - 0 | 3-4 | | 1.0 - 1.2 | 2.5 - 3.5 | <=100 | 1 - 2 | 3-0 | 3 |