

## Unidyne XP-8802

is a fluorine-free oil and grease repellent for food contact substrates.

### Product Features

- Imparts a high oil and grease barrier to fibrous substrates
- Can be used in internal sizing applications
- Does not alter optic, haptic and mechanical properties of substrates

### Physical Properties

<i>Appearance</i>	Light yellow liquid
<i>Charge</i>	Anionic
<i>pH</i>	4,0 - 6,0
<i>Specific gravity at 25°C</i>	0,95 - 1,05 g/cm <sup>3</sup>
<i>Typical analysis</i>	20 - 22% solid content
<i>Solubility</i>	Miscible with cold water

### Storage / Shelf-life

- XP-8802 should be stored according to the Material Safety Data Sheet
- Storage temperature: -5 °C to 40 °C.  
Avoid frost and freezing of the product at all times!
- When stored using the recommended conditions, shelf-life is 18 months from the production date

### Shipping

- Non-red label
- Non-flammable

### Safety

Before using or disposing of this product, please read the current Material Safety Data Sheet and the precautionary statement on the product package.

Reference the Material Safety Data Sheet for details regarding the safe use and disposal of this product.

## Application Guide

- Environmentally friendly fluorine-free oil and water resistant agent
- Partly plant-based ingredients
- Gives excellent oil, grease and water resistance fiber while wet end processing
- Does not impact fiber formation or recyclability

### Application example in internal sizing (wet-end):

- Bleached virgin fiber pulp (~0,5% consistency)
- Set process pH  $\leq 5,0$
- Add highly cationic charged retention aid (0,5 - 0,8% solids / pulp)
- Add weakly anionic charged retention aid
- Add well-diluted Unidyne XP-8802 (1 - 2% solids / pulp)
- Contact drying at 150°C for 70s

<b>%solid XP-8802 / pulp</b>	<b>oil test</b>
1,0%	oil resistance up to 65 °C
1,3%	oil resistance up to 80 °C

Please note that the exact composition of the wet-end recipe depends on multiple factors and has to be calculated individually for each application. Please contact Daikin Technical Service for further information.

## Approvals, recommendations

### US FDA's Inventory of Effective Food Contact Substance Notification

Conditions of Use A - H, J (including microwave susceptor applications)

Notice: Daikin is currently in the process of getting the BfR XXXVI recommendation for this product. Before using it in commercial applications, please contact your Daikin representative for details and current status of the petition.

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