



## TECHNICAL BULLETIN

### TAYCHEM F-EXT-A

#### Silicone Resin Emulsion

#### Description:

TayChem F-EXT-A is an anionic, emulsion-polymerized silane that can be used as a fluorochemical extender for soil release or can be used "as is" for soil release. This product prevents seam slippage and improves pilling with synthetic fabric or fibers.

#### Applications:

TayChem F-EXT-A is an anionic emulsion of a silicone resin formulated as an antislip agent and also as a finishing agent for polyamide carpets to impart properties of soil repellency and pile integrity. Due to the unique, colloidal structure of this emulsion, the resinous silicone will coat the fibers to prevent the adhesion of dirt or to impart antislip properties. Being anionic, it should be compatible in reactant-finishing formulations. The major features are:

1.	Effective at low concentrations.
2.	Will not reduce oil repellency.
3.	Soil release properties.
4.	Will not effect cure of cellulose.
5.	Maintains pile integrity of polyamide carpet.
6.	Compatible with silicone water repellents.
7.	Compatible with fluorochemicals.

#### Processing:

##### Polyamide Fiber Or Yarns For Carpets:

TayChem F-EXT-A should be applied after dyeing and prior to stainguard or fluorochemical treatment. It is applicable to stock-dyed fiber, as well as piece goods.

Typical add-on of TayChem F-EXT-A is two to three percent based on the weight of polyamide. Best application results should be obtained by spray, foam, or pad.

Normal dry conditions are adequate for fixation.

##### Antislip Agent:

Normally, two to three percent on-weight-of-goods should control the slippage of sheer or tightly-woven fabric. Compatibility with other co-applied finishing agents should be evaluated prior to use.

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**Typical Properties:**

<b>Property</b>	<b>Characteristic</b>
<b>Appearance</b>	Clear To Hazy Liquid
<b>Solids Content (%)</b>	Ca. 11
<b>pH Value</b>	4.0 To 7.0
<b>Ionic Character</b>	Anionic
<b>Note: These figures are intended as a guide and should not be used in preparing specifications.</b>	

**Storage Stability:**

TayChem F-EXT-A has a shelf life of at least six (6) months if stored in its original, sealed container at 25°C or 70°F. If the material is kept beyond the recommended shelf life, it is not necessarily unusable, but quality control should be performed on the properties relevant to the application.

Emulsions showing signs of creaming should be agitated before use to assure uniform consistency.

**Safety Instructions:**

Comprehensive instructions are given in the corresponding Material Safety Data Sheet. This information is available upon request from TayChem Industries, Ltd.

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