

### SepaFlash™ TLC Plates, Glass-Backing, Soft Layer Silica, 20 x 20 cm, 250 µm, F254, 25/box

**Part Number:** TL-BS9101

#### General Description

The moderate-hardness layer offers a durable surface while maintaining compatibility with a wide range of mobile phase components and visualization reagents. The inorganic binder ensures stability across the entire eluotropic series, from non-polar solvents like hexane to 100 % aqueous systems. Additionally, its robustness allows for the use of aggressive visualization techniques, including sulfuric acid charring and dipping procedures, without compromising plate integrity.

#### General Information

<b>Adsorbent:</b>	Bare silica
<b>Adsorbent Particle Size:</b>	8 - 10 µm average
<b>Adsorbent Pore Size:</b>	60 Å
<b>Backing:</b>	Glass
<b>Binder:</b>	Inorganic binder (calcium sulfate a.k.a. gypsum with proprietary hardening agent)
<b>Indicator:</b>	Yes (UV 254)
<b>Layer Hardness:</b>	Soft layer, 80 - 160 (can write on gently with pencil)
<b>Layer Thickness:</b>	250 µm
<b>Plate Size:</b>	20 x 20 cm
<b>Qty / Box:</b>	25 plates

#### Visualization Techniques

Compatible with virtually all visualization reagents, including sulfuric acid charring. Reagents can be applied using dipping or spraying methods for enhanced flexibility and ease of use.

#### Acceptable Solvents

Compatible with all standard chromatography solvents, including 100 % aqueous systems.

#### Storage Conditions

Store in a dry place at room temperature, away from direct sunlight and moisture.

#### Chromatographic Testing Guidelines and Specifications

<b>Layer Thickness</b>	<b>150 – 305 µm</b>
<b>Hardness</b>	<b>20 – None (strokes)</b>
<b>Migration Speed Test</b>	
<u>Conditions</u>	<u>Minutes</u>
10 cm in toluene	11 – 22
<b>Color Test - Separation 30-04</b>	
<u>Components</u>	<u>Rf Values</u>
Fat Red 7B	0.60 – 0.75
Sudan Green	0.30 – 0.45
Sudan II, Comp. B	0.20 – 0.25
Sudan Blue	0.10 – 0.25