

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

Part Number: TL-BH9101

General Description

Recommended as the primary layer choice, unless specific incompatibilities with visualization reagents or mobile phase compositions are noted, the hard layer organic binder system offers superior durability. It facilitates easy handling during sample application, mobile phase development, visualization, and data interpretation. Its robust surface delivers consistent results regardless of operator technique, while rapid development times and uniform visualization properties ensure lot-to-lot consistency and reduce seasonal variability in chromatography.

General Information

Adsorbent:	Bare silica
Adsorbent Particle Size:	8 - 10 µm average
Adsorbent Pore Size:	60 Å
Backing:	Glass
Binder:	Proprietary organic polymer binder
Indicator:	Yes (UV 254)
Layer Hardness:	Hard layer, 200 - 400 (easy to write on with pencil)
Layer Thickness:	250 µm
Plate Size:	20 x 20 cm
Qty / Box:	25 plates

Visualization Techniques

Compatible with most visualization reagents, except sulfuric acid charring. Reagents can be applied by dipping or spraying, though some acidic reagents may cause incompatibility.

Acceptable Solvents

Compatible with all standard chromatography solvents; up to 80 % water content maximum.

Storage Conditions

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

Testing Guidelines and Specifications

Layer Thickness	150 – 305 µm
Hardness	None – 80 % (200 strokes)
Migration Speed Test	
<u>Conditions</u>	<u>Minutes</u>
10 cm in toluene	11 – 19
Color Test - Separation 30-04	
<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 – 0.35
Sudan Blue	0.10 – 0.25