

SepaFlash™ HPTLC Plates, Glass-Backing, Silica, 10 x 20 cm, 200 µm, F254, 50/box

Part Number: TL-BP9201-2

General Description

Recommended as the preferred layer choice unless specific incompatibilities with visualization reagents or mobile phase compositions are identified, the hard layer organic binder system provides outstanding durability and ease of use. It allows reliable handling during sample application, mobile phase development, visualization, and data interpretation. Its robust surface ensures consistent results regardless of operator technique, while rapid development times and uniform visualization guarantee lot-to-lot consistency and minimize seasonal variability. High-performance layers, featuring smaller particle sizes and thinner coatings (<250 µm), deliver higher resolution separations than standard analytical TLC layers, enabling more precise documentation and data analysis for demanding chromatographic applications.

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:	200 - 400 (easy to write on with pencil)
Layer Thickness:	200 µm
Plate Size:	10 x 20 cm
Qty / Box:	50 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	110 – 218 µm
Hardness	80 – None
Migration Speed Test	
<u>Conditions</u>	<u>Minutes</u>
6 cm in toluene	4 – 9
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