In Angular Material, dialogs (MatDialog) close by default when the user clicks outside the dialog area (on the backdrop) or presses the **Escape** key.

To **prevent closing on outside click**, you can use the disableClose option when opening the dialog.

Example: Prevent Close on Outside Click

```
import { Component } from '@angular/core';
import { MatDialog } from '@angular/material/dialog';
import { MyDialogComponent } from './my-dialog.component';

@Component({
  selector: 'app-root',
  template: `<button mat-button (click)="openDialog()">Open Dialog</button>`
})
export class AppComponent {
  constructor(private dialog: MatDialog) {}

  openDialog(): void {
    this.dialog.open(MyDialogComponent, {
      disableClose: true // Prevent closing on backdrop click or ESC key
    });
  }
}
```

Dialog Component

```
import { Component } from '@angular/core';
import { MatDialogRef } from '@angular/material/dialog';

@Component({
  selector: 'app-my-dialog',
  template: `
    <h2 mat-dialog-title>My Dialog</h2>
```

```
    <mat-dialog-content>
      This dialog cannot be closed by clicking outside or pressing
  ESC.
    </mat-dialog-content>
    <mat-dialog-actions align="end">
      <button mat-button (click)="close()">Close</button>
    </mat-dialog-actions>
  `
})
export class MyDialogComponent {
  constructor(private dialogRef: MatDialogRef<MyDialogComponent>) {}

  close(): void {
    this.dialogRef.close();
  }
}
```

Key Points

- disableClose: true disables **both**:
  - Clicking outside (backdrop click)

  - Pressing **Escape**

- If you want **only** to disable backdrop click but still allow ESC, you can:

```
const dialogRef = this.dialog.open(MyDialogComponent, {
disableClose: true });
dialogRef.keydownEvents().subscribe(event => {
  if (event.key === 'Escape') {
    dialogRef.close(); // Allow ESC manually if desired
  }
});
```

✅ **Best Practice**:
If you disable outside click, always provide a clear **Close** or **Cancel** button inside the dialog so users are not trapped.

If you want, I can also show you **how to disable only backdrop click but keep ESC working** without extra subscriptions.

Do you want me to prepare that version?