



**NATIONAL  
APARTMENT  
FLOORING**

**Flooring & Underlayment  
Designed For Quiet**

**UNDERSTANDING IIC  
AND STC TESTING**



Graphic created by Mohawk



**IIC Testing**

Test Impact-Related Sounds from Above  
IIC tests the ability to block sound impact and measures resistance to transmission of impact noise (footsteps, objects dropped on the floor, etc.).



**STC Testing**

Tests Ambient Sounds Through Multiple Rooms  
STC measures the ability of a specific construction assembly to reduce airborne sounds (voices, audio systems, TV, etc.) in a specific construction assembly.

**Sound Rating Scale**

- ± **IIC-STC 70** Virtually Sound Proof
- IIC-STC 60** Superior Sound Proofing
- IIC-STC 50** International Building Code
- IIC-STC 40** Sound Proofing Below Code

Sound Reducing Underlayment	IIC Rating	STC Rating
Future Foam SSG II	<b>73</b>	<b>63</b>
Sonar Acoustic	<b>70</b>	<b>62</b>
QT Sound Insulation QTrbm	<b>62</b>	<b>62</b>
AcoustiCORK 250	<b>61</b>	<b>62</b>
Ecore ECOsilence	<b>58</b>	<b>62</b>

Quiet Flooring	IIC Rating	STC Rating	Pad Attached
Urban Surfaces Sound-Tec	<b>66</b>	<b>61</b>	<b>YES</b>
Shaw Quiet Cover	<b>56</b>	<b>56</b>	<b>YES</b>

IIC and STC ratings based on independent testing on concrete slab with drop ceiling