



CONDODIUM ASSOCIATION  
1519 EAST CENTRAL ROAD  
ARLINGTON HEIGHTS, ILLINOIS 60005  
(847) 228-5176 • Fax (847) 228-5190

*Please submit completed application to the  
management office.*

## CARPET, HARDWOOD OR TILE FLOOR ALTERATIONS & UPGRADE APPLICATION

HOMEOWNER: \_\_\_\_\_ DATE: \_\_\_\_\_

BLDG ADDRESS: \_\_\_\_\_ UNIT #: \_\_\_\_\_ HOME PHONE: \_\_\_\_\_

CELL PHONE: \_\_\_\_\_ WORK PHONE: \_\_\_\_\_

**DESCRIPTION:**

- Installation Hardwood Floor in the following Rooms: \_\_\_\_\_
- Installation of Tile Floors in the following Rooms: \_\_\_\_\_
- Installation of Carpet in the following Rooms: \_\_\_\_\_
- CONTRACTOR NAME:** \_\_\_\_\_ **OR WORK BY OWNER.**
- Contractor's Proposal and evidence of insurance naming Dana Point as additionally insured MUST BE ATTACHED to this application **OR Attach Manufacturer's Material List** if work done by Owner.

**CARPET, HARDWOOD & TILE INSTALLATIONS:** Owners who plan to install tile, hardwood flooring or other hard surface in the living, dining, bathroom, bedroom floors or in the hallways are strongly advised to install a sound absorbent under-cushion of such kind and quality as to prevent the transmission of noise to another Unit or as may otherwise be required by the Association. The Board may, in addition to exercising all of the other remedies provided in the Declaration or the IL Condo Act for breach of any of the provisions hereof, require such Owner to cover all non-conforming work with carpeting, or may require removal of such non-conforming work, at the expense of the Owner.

**NOISE:** A cork or equivalent sound proofing underlayment is strongly recommended to avoid possible noise complaints from neighbors. **All Floor A&A Applications must provide a sound proofing product STC Rating of 50 or more.** Unit Owner/Tenant remodeling (hammering, drilling, etc.) whether done by Unit Owner/Tenant or Contractor shall be done between 8:00 a.m. and 8:00 p.m., Monday through Friday; between 9:00 a.m. and 4:00 p.m. on Saturday; and 10:00 a.m. to 3:00 p.m. on Sunday.

**REMODELLING DEBRIS:** If the contractor DOES NOT dispose of the Old carpet & padding; instruct the contractor to cut, roll & bind the carpet into 3 Ft widths placing it OUTSIDE of the dumpsters.

**Failure to acquire approved A&A Applications for any type of Improvement, Upgrade or Alteration MAY RESULT IN THE BOARD REQUIRING REMOVAL AND AFFECTED AREA TO BE RESTORED AT THE OWNER'S EXPENSE.**

**ACKNOWLEDGEMENT:** *I acknowledge that I am required to have written permission from the Dana Point Board of Directors Prior to Proceeding with my Alteration or Upgrade. I accept full responsibility for the altered area and agree to maintain it in a safe and presentable condition.*

OWNER SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**FOR OFFICE USE ONLY**

Date Received By Office: \_\_\_\_\_ Date Approved: \_\_\_\_\_

BOARD SIGNATURE: \_\_\_\_\_

Reason for Disapproval: \_\_\_\_\_

Final Inspection By: \_\_\_\_\_ Inspection Date: \_\_\_\_\_

Date Copy Sent to Owner: \_\_\_\_\_ Contractor Certificate of Insurance on File:

Date Original Sent to File: \_\_\_\_\_ YES \_\_\_\_\_ NO \_\_\_\_\_

# All about Hardwood & Ceramic Tile Floor Sound Proofing

## Or, How to lower and control sound

### Sound Proofing and Sound Absorbing Floor Underlayment



Today more and more Dana Point Owners are remodeling their Units including the installation of hardwood, laminate, and ceramic tile floors.

Inherent with hardwood and ceramic tile floor installation over concrete flooring is the transference of amplified noise through the concrete floors between Units which is experienced by your neighbors; above, below and around you.

Typically the sources of such everyday living activities such as using the dishwashers, garbage disposal, vacuum cleaner, use of fitness equipment, children running and jumping or simply walking across the hardwood floors with hard soled shoes, will result in an increase of neighbor complaints of, "Noise coming from your Unit".

### What is Noise?

Noise is simply unwanted sound that is transmitted by vibration through air, walls, floors or ceilings. In a home, most people consider noise to be just about any sound other than those made by what they are doing.

There are certain levels of noises expected with everyday community living; however when an Owner wishes to install hardwood or ceramic tile floors the Association requires the Owner to install soundproofing underlayment to diminish the noise transfer through the hardwood or ceramic tile caused by the resident's everyday living activities.

### Understanding how floors transmit noise

When we discuss floor underlayment the elimination of footstep noise is usually the prominent goal. Concrete floors transmit footstep noise in the form of vibration; a shoe impacts the hard floor, creates a vibration at the point of contact and that vibration is transferred and amplified as "noise" downward through the hard surfaced floor and the connected concrete floor.

### How is Noise Measured?

Noise Is Measured in Decibels (dB). For example a whisper is about 20 dB, normal conversation is about 60 dB, city traffic is about 80 dB and the leaf blower has a noise level of about 100 dB.

### What is a Sound Transmission Class Rating (STC)?

An STC value is a single number rating used to characterize the sound absorbent value of a Unit's partition wall, ceiling or floor. Partitions absorb sound from being transmitted from one area to another.

The higher the STC value of a floor/ceiling, the better its ability to control impact sound transmission. When considering floor underlayment sound absorbing materials a Sound Transmission Class rating of 50 or higher is considered acceptable.

## What is a Sound Transmission Class Rating (STC)? (continued)

### STC Rating Table:

- 56 and up=Excellent
- 45-55=Very Good

As a reference, you can hear normal speech through a wall with an STC rating of 25. At an STC rating of 42, loud speech is audible as only a murmur. A standard Dana Point metal framed stud partition wall lined both sides with  $\frac{1}{2}$ " drywall provides an STC rating of around 20-25.

## DANA POINT FLOOR SPECIFICATIONS & STC RATING REQUIREMENTS

Because the Unit's ceiling below should be considered in your decision; the existing structure in your project has to be brought to the attention of your flooring supplier or installation contractor so they can make the best flooring underlayment product recommendation to you, the Owner.

Soundproofing floors is a process that requires a careful understanding of the current construction of Dana Point floors.

The final decision on a floor underlayment product that will actually work given the building's construction can then be presented to the Owner by the supplier or contractor.

**Dana Point's Floor Construction is a 6-inch reinforced poured concrete slab without radiant heating coils. All Owner Remodeling Floor A&A Applications Shall Provide a Product Soundproofing STC Rating of 50 OR MORE.**

Dana Point's rules & regulation considers the remodeling decision a Unit Owner's responsibility to understand how the remodeling products will work in your project. Please refer to remodeling rules and regulations.

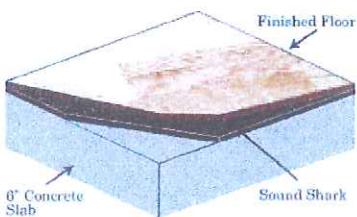
## HARDWOOD FLOORS: CORK UNDERLAYMENT

Cork is a perfect environmentally friendly flooring underlayment choice for sound reduction under hardwood, laminate, ceramic and stone floors.

### Acoustical Rating of Cork

Underlayment	Flooring Types			
Min. $\frac{1}{4}$ Inch Thick Cork	Ceramic Tile Floors		Wood Floors	
Rating	STC	IIC	STC	IIC
6" Concrete Slab	53	58	54	59

## HARDWOOD & CERAMIC TILE MANUFACTURED UNDERLAYMENT PRODUCTS



There are optional rubber based floor underlayment products made from recycled rubber tires. They are designed for subfloor use under laminate or engineered hardwood floors, ceramic tile, marble, carpet or linoleum.

This is a free floating floor underlayment that can also be used directly beneath a carpet pad and carpet for combating sound transmission down through a common concrete floor/ceiling assembly system.

## CERAMIC TILE ELASTOMERIC SOUND DAMPING ADHESIVE

**Acceptable Products:** The following products are acceptable tile adhesives over concrete floors. When applying an Elastomeric Sound Damping thin-set Adhesive directly over a concrete floor the Owner is advised that IIC ratings are less than 50. Such ratings under IIC 50 may require the placement of area rugs to avoid unacceptable sound transmission to your neighbors.

**Ceramic or Stone Floor Installation Soundproofing Recommendation:** It is always the preferred method if mounted toilet, tub, shower, and or vanity fixtures permit a combination of a  $\frac{1}{4}$ -inch manufactured or natural cork underlayment applied prior to the application of an elastomeric sound damping adhesive

### LATICRETE® 125 Sound & Crack Adhesive



Comprised of special liquid latex, rubber fillers and reinforced with Kevlar®, LATICRETE® Sound & Crack Adhesive reduces impact sound transmission and provides exceptional anti-fracture protection – all in one simple step! Just mix, spread and set!

Unlike competitor products that masquerade traditional, non flexible cement thin-sets as crack suppression mortars or manufacturers that inflate sound performance numbers, only LATICRETE offers proven performance backed by independent no-nonsense testing!

#### Key Features

- IIC rating of 15 – independently tested to ASTM E2179
- Provides 1/8" (3mm) anti-fracture protection - Exceeds ANSI A118.12

### Quiet-Tile: Elastomeric Sound Damping Adhesive



This impact noise and vibration-damping tile adhesive is engineered specifically for use with ceramic, glass and stone tile. Elastomeric solution reduces fractures and protects against tile cracks for years.

Produces a typical tile floor impact noise reduction of 6 to 12 decibels, depending on application. Ready-to-use advanced polymer is a non-toxic, mold-resistant, zero-VOC formulation. Cleanup with soap and water.

Use to install ceramic, glass and stone tile in bathrooms, kitchens, foyers, living rooms, bedrooms, and more.